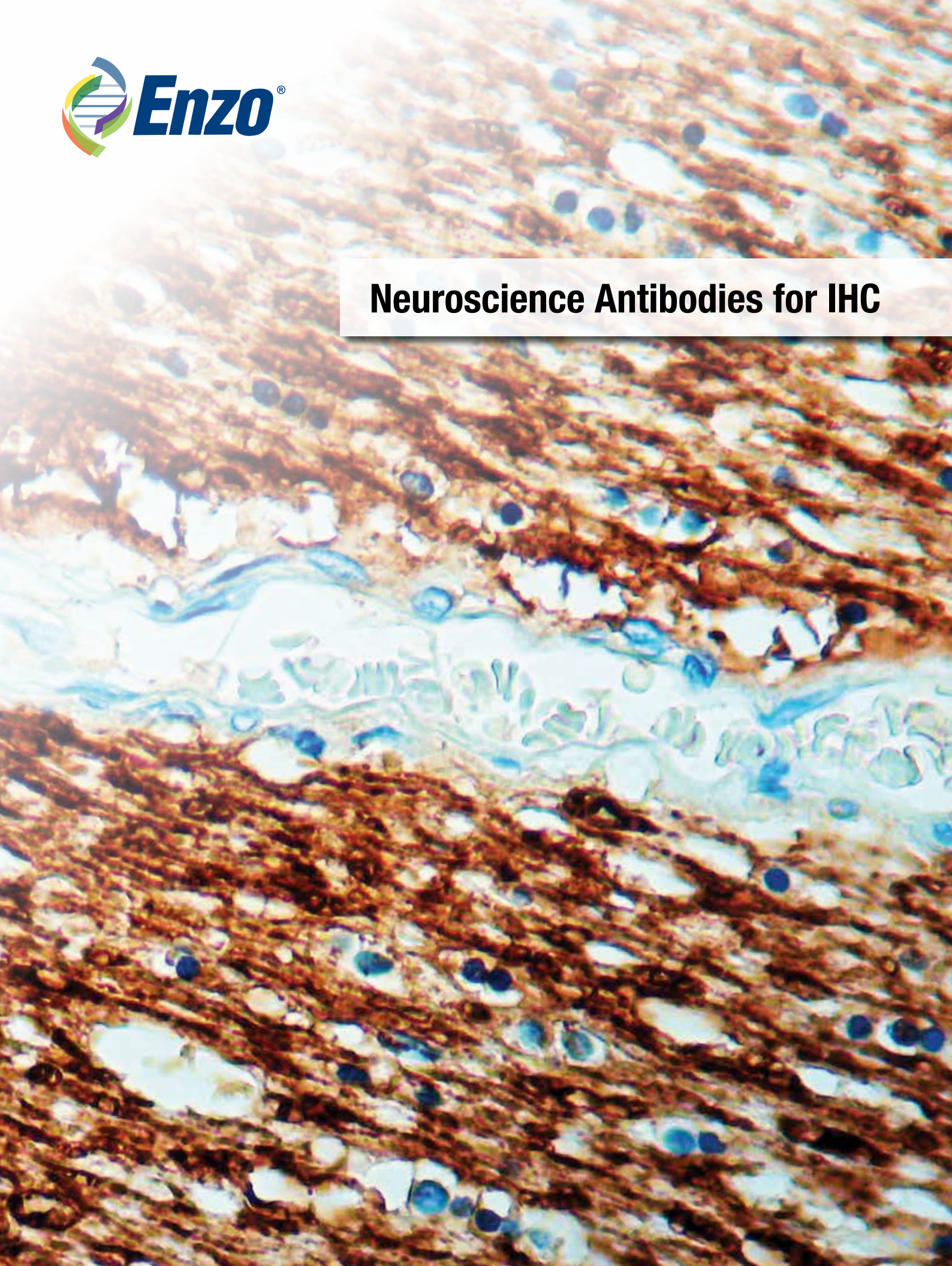




Neuroscience Antibodies for IHC



Detect Neural Markers with High-specificity IHC Antibodies

The Enzo portfolio of neuroscience antibodies includes hundreds of monoclonal and polyclonal antibodies validated for immunohistochemistry (IHC) or immunocytochemistry (ICC) protocols. Major targets include markers of neurodegenerative disease, ion channels, neurotransmitters and their receptors, neurofilament and cytoskeletal targets, synaptic vesicle markers, and more. Each of our antibodies is backed by our Worry-free Antibody Trial Program www.enzolifesciences.com/abtrial.

| Neurodegenerative Markers | | | | |
|---|--------------------|---------|------------|---------------|
| Product Name | Application | Ab Host | Reactivity | Product # |
| 14-3-3, pAb | IHC, WB | Rabbit | + | BML-SA483 |
| α -Synuclein (human), mAb (15G7) | IHC | Rat | | ALX-804-258 |
| α -Synuclein, pAb | IHC, WB | Rabbit | | BML-SA3400 |
| β -Amyloid (1-40), mAb (11A50-B10) | ELISA, IHC, WB | Mouse | | ENZ-ABS116 |
| β -Amyloid (rodent), pAb | IHC | Rabbit | | ENZ-ABS197 |
| Amyloid β , mAb (2C8) | ICC, IHC, WB | Mouse | | ADI-NBA-104 |
| APP, pAb | ICC, IHC, WB | Rabbit | | ADI-NBA-102 |
| APP, mAb (1G6) (Purified) | ELISA, IHC, WB | Mouse | | ENZ-ABS128 |
| APP, mAb (D3B10) (Purified) | ELISA, IHC, WB | Mouse | | ENZ-ABS145 |
| APP, mAb (LN27) (Purified) | WB, IHC | Mouse | | ENZ-ABS126 |
| BACE2 (NT), pAb | IHC, IP, WB | Rabbit | | ADI-905-290 |
| CD39 (human), mAb (AC2.5) | FC, IHC-FS, IP, WB | Mouse | | ENZ-ABS233 |
| CD39 (human), mAb (AC2.5) (biotin conjugate) | IHC, WB | Mouse | | ENZ-ABS237 |
| Clusterin (human), mAb (CLI-9) | ELISA, FC, IHC, WB | Mouse | | ALX-804-126 |
| EGR-2 Protein, pAb | IHC, WB | Rabbit | + | ENZ-ABS172 |
| GSK-3 α / β , mAb (1H8) | ICC, IHC, IP, WB | Mouse | + | ADI-KAM-ST002 |
| Huntingtin Interacting Protein-1, mAb (1B11) | ELISA, IHC, WB | Mouse | | ADI-905-134 |
| Laminin receptor (67kDa) (human), mAb (MLuC5) | IHC | Mouse | | ALX-804-623 |
| LRRK2 (human), pAb (AT106) | FC, IHC, IP | Rabbit | | ALX-210-928 |
| Matrix Gla protein, mAb (52.1#1) | IHC-PS, IP, WB, IF | Mouse | | ENZ-ABS254 |
| Presenilin 1, mAb (APS 11) | IHC, WB | Mouse | + | ALX-804-554 |
| Prion Protein, mAb (3F4) | ELISA, IHC, IP, WB | Mouse | + | ENZ-ABS119 |
| SOD-1 (Cu/Zn SOD), pAb | IHC, IP, WB, IF | Rabbit | + | ADI-SOD-100 |
| Tau (human), pAb (TAU9) | ELISA, IHC | Rabbit | | BML-TA3119 |

| Neuropeptides & Neuropeptide Receptors | | | | |
|---|----------------------|---------|------------|----------------|
| Product Name | Application | Ab Host | Reactivity | Product # |
| Angiotensin II receptor AT ₁ , pAb | ICC, IHC, IP, WB | Rabbit | | ADI-905-743 |
| Angiotensin II receptor AT ₂ , pAb | ICC, IHC, IP, WB | Rabbit | | ADI-905-746 |
| Bradykinin receptor B ₁ , pAb | FC, ICC, IHC, WB | Rabbit | | ADI-905-787 |
| Bradykinin receptor B ₂ , pAb | ICC, IF, IHC, WB, EM | Rabbit | | ADI-905-747 |
| Calcitonin gene related peptide, pAb | IHC, WB | Sheep | + | BML-CA1137 |
| Chromogranin A, pAb | ELISA, IHC-PS | Sheep | | ENZ-ABS268 |
| FMRFamide, pAb | IHC, WB | Rabbit | + | BML-FA1155 |
| Gastrin releasing peptide, pAb | IHC, IP, WB | Rabbit | + | BML-GA1166 |
| Leu enkephalin, pAb | IHC, WB | Rabbit | + | BML-EA1149 |
| Met enkephalin, pAb | IHC, WB | Rabbit | + | BML-EA1150 |
| Neuropeptide Y (human), mAb (8) | ELISA, IHC, WB | Mouse | | BPD-ABS-028-08 |
| Neurotensin, pAb | ELISA, IHC, WB | Rabbit | + | BML-NA1230 |
| Orexin receptor 2, pAb | IHC | Rabbit | | BML-SA647 |
| Peptide YY, pAb | IHC, IP, WB | Rabbit | + | BML-PA1254 |
| Vasoactive Intestinal (Poly)peptide, pAb | ELISA, IHC | Rabbit | + | BML-VA1285 |

Key: ELISA = Immunoassay; EM = Electron Microscopy; FC = Flow Cytometry; ICC = Immunocytochemistry; IF = Immunofluorescence; IP = Immunoprecipitation; IHC (FS) = Immunohistochemistry (Frozen Sections); IHC (PS) = Immunohistochemistry (Paraffin Sections); WB = Western Blot

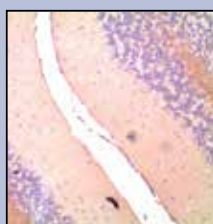
Legend: Human Mouse Rat Rabbit + Other

| Neurotransmitters, Neurotransmitter Biosynthesis & Degradation | | | | |
|--|----------------|---------|---------------------|-------------|
| Product Name | Application | Ab Host | Reactivity | Product # |
| Acetylcholinesterase, mAb (ZR3) | IHC, IP | Mouse | + | ALX-802-004 |
| Aromatic L-amino acid decarboxylase, pAb | IHC, WB | Rabbit | + | BML-AZ1030 |
| Dopamine, pAb | ELISA, IHC | Rabbit | + | BML-DA1140 |
| Dopamine- β -hydroxylase, pAb | IHC, WB | Rabbit | + | BML-DZ1020 |
| Histamine, pAb | ELISA, IHC | Rabbit | Species Independent | ENZ-ABS292 |
| γ -Aminobutyric Acid (5A9), pAb | IHC, WB | Mouse | + | BML-GA1160 |
| Glutamic Acid Decarboxylase, pAb | ELISA, IHC, WB | Rabbit | + | BML-GC3008 |
| Phenylethanolamine N-methyltransferase, pAb | ICC, IHC, WB | Rabbit | + | BML-PZ1040 |
| Serotonin, pAb | IHC | Rat | + | BML-SZ1011 |
| Tyrosine hydroxylase, pAb | ELISA, IHC | Rabbit | | BML-TZ1010 |

| Neurofilaments & Cytoskeleton | | | | |
|--|-------------------------|---------|------------|-------------|
| Product Name | Application | Ab Host | Reactivity | Product # |
| [pSer8]GFAP, mAb (YC10) | ELISA, ICC, WB | Mouse | + | ADI-NBA-115 |
| α Fodrin, mAb (AA6) | IHC, WB | Mouse | + | BML-FG6090 |
| β III-Tubulin (human), mAb (TU-20) | ELISA, FC, ICC, IHC, WB | Mouse | | ALX-804-405 |
| Neurofilament (human), M, mAb (SMI31) (Purified) | ELISA, ICC, IHC, WB | Mouse | + | ENZ-ABS215 |
| Neurofilament H, mAb (SMI32) (Purified) | ELISA, ICC, IHC, WB | Mouse | + | ENZ-ABS219 |
| Neurofilament (human), mAb (SMI32) | ELISA, ICC, IHC, WB | Mouse | + | ENZ-ABS220 |
| Neurofilament (human), mAb (SMI38) | ELISA, ICC, IHC, WB | Mouse | + | ENZ-ABS221 |
| Neurofilament M, pAb | IHC, WB | Rabbit | + | BML-NA1216 |
| Neurofilament triplet proteins, mAb (13AA) | IHC, WB | Mouse | + | BML-NA1223 |

| Neural Growth Factors | | | | |
|-----------------------------------|-----------------------------|---------|---------------------|-------------|
| Product Name | Application | Ab Host | Reactivity | Product # |
| Nestin (human), mAb (2C1 3B9) | ICC, IHC, WB | Mouse | | ENZ-ABS109 |
| Netrin-1, mAb (Nora-1) | IHC, WB | Mouse | + | ALX-804-838 |
| Netrin-1, pAb (AT118) | FC, IHC, IP | Rabbit | + | ALX-210-943 |
| PAX6, pAb | IHC, IF, WB | Rabbit | | ENZ-ABS212 |
| Tau (human), mAb (Tau 12) | ELISA, IHC, WB | Mouse | | ENZ-ABS216 |
| Tau (human), mAb (Tau C3) | ELISA, IHC, WB | Mouse | | ENZ-ABS214 |
| TRK receptor (human), mAb (MGR12) | IHC, WB | Mouse | | ALX-804-575 |
| Tyrosine Hydroxylase, pAb | ELISA, FC, ICC, IHC, IF, WB | Rabbit | Species independent | ENZ-ABS191 |

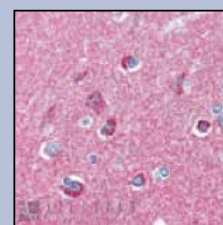
| Synaptic Markers | | | | |
|--|----------------------|---------|------------|---------------|
| Product Name | Application | Ab Host | Reactivity | Product # |
| α -Synuclein (human), mAb (LB509) | ELISA, IHC, WB | Mouse | | ENZ-ABS218 |
| Bassoon | ICC, IF, IHC, IP, WB | Mouse | | ADI-VAM-PS003 |
| SAP97, mAb (RPI 197.4) | ICC, IHC, IP, WB, EM | Mouse | + | ADI-VAM-PS005 |
| SNAP α/β , mAb (6B7-3) | IHC, IP, WB | Mouse | + | ADI-VAM-SV027 |
| Synaptophysin, mAb (SP15) | IHC, WB | Mouse | + | ADI-VAM-SV011 |
| Synaptotagmin, mAb (ASV30) | IHC, WB | Mouse | | ADI-SYA-130 |
| Synaptotagmin, mAb (ASV48) | ICC, IHC, IP, WB | Mouse | + | ADI-SYA-148 |
| VAMP2, pAb | ICC, IP, WB | Rabbit | + | ADI-VAS-SV006 |
| Vesicular acetylcholine transporter, pAb | ELISA, IHC | Goat | | BML-SA684 |



Immunohistochemistry analysis of mouse brain tissue (paraffin embedded) using Histamine, pAb, (Prod. No. ENZ-ABS292) at a dilution of 1:50.



IHC analysis of mouse brain sections untreated (left) or morphine-treated (right) stained with Opioid Receptor mu, pAb (Product #ADI-905-744).



IHC analysis of human cortex stained with SNAP α/β , mAb (6B7-3) (Product #ADI-VAM-SV027).

| Ionotropic Receptors | | | | |
|--|--------------------------|---------|------------|---------------|
| Product Name | Application | Ab Host | Reactivity | Product # |
| AChR (α -7 Subunit), mAb (306) | WB, IF, IHC and IP | Mouse | + | ENZ-ABS163 |
| Adrenergic receptor β_2 , pAb | ICC, IF, IHC, IP, WB, EM | Rabbit | | ADI-905-742 |
| Dopamine receptor D ₁ , pAb | IHC, IP, WB | Rabbit | | ADI-905-789 |
| Dopamine receptor D ₂ , pAb | ICC, IF, IHC, IP, WB, EM | Rabbit | | ADI-905-740 |
| Dopamine transporter (extracellular loop), pAb | IHC, WB | Rabbit | + | BML-SA509 |
| GluR1 (extracellular), pAb | IHC, WB | Rabbit | | BML-SA612 |
| HERG1 (human), mAb (A12) | FC, ICC, IHC, IP | Mouse | | ALX-804-652 |
| HERG1A (NT), pAb | ICC, IHC | Rabbit | | ALX-215-050 |
| HERG1B, pAb | ICC, IHC, WB | Rabbit | | ALX-215-051 |
| mGluR1 (extracellular), pAb | FC, ICC, WB | Rabbit | | BML-SA610 |
| Na ⁺ /K ⁺ ATPase α 3 subunit, mAb (XVIF9-G10) | IHC, WB | Mouse | + | BML-SA247 |
| Nicotinic acetylcholine receptor, mAb (88B) | IHC, IP, WB | Mouse | + | ALX-802-002 |
| NMDA receptor NR1 subunit (splice variant C2), pAb | IHC, WB | Rabbit | | BML-SA491 |
| NMDA receptor NR2A subunit, pAb | IHC, IP, WB | Rabbit | | BML-SA425 |
| NMDA receptor NR2B subunit, pAb | IHC, IP, WB | Rabbit | | BML-SA426 |
| NMDA receptor NR2C subunit, pAb | IHC, IP, WB | Rabbit | | BML-SA488 |
| PSD-95, mAb (6G6-1C9) | ICC, WB | Mouse | + | ADI-VAM-PS002 |
| Purinergic receptor P2X4 (mouse), pAb | FC, ICC, IP | Rabbit | | ALX-215-033 |
| TRPV1, pAb | IHC, WB | Rabbit | | BML-SA564 |
| TRPV4, pAb | IHC, WB | Rabbit | | BML-SA565 |
| TRPV5, pAb | IHC, WB | Rabbit | | BML-SA566 |
| TRPV6 (human), pAb | IHC, WB | Rabbit | | BML-SA567 |

| Metabotropic Receptors | | | | |
|---|-----------------------------|---------|------------|-------------|
| Product Name | Application | Ab Host | Reactivity | Product # |
| A ₁ Adenosine receptor (rat), pAb | ICC, IHC, WB | Rabbit | | BML-SA653 |
| A _{2A} Adenosine receptor, pAb | IHC, WB | Rabbit | | BML-SA654 |
| Cannabinoid receptor 1, pAb | FC, ICC, IHC, WB | Rabbit | + | ALX-210-316 |
| Cannabinoid receptor 2 (extracellular) (human), pAb | FC, IHC, WB | Rabbit | | BML-SA636 |
| Muscarinic receptor M ₂ , pAb | IHC, WB | Rabbit | | BML-SA581 |
| Opioid receptor μ , pAb | ICC, IHC, IP, WB | Rabbit | | ADI-905-744 |
| Opioid receptor δ , pAb | ICC, IHC, IP, WB | Rabbit | | ADI-905-745 |
| Opioid receptor κ , pAb | ELISA, ICC, IF, IHC, IP, WB | Rabbit | | ADI-905-799 |
| Serotonin receptor 5HT _{1A} , pAb | ICC, IF, IHC, IP, WB, EM | Rabbit | | ADI-905-741 |

More Neuroscience Antibodies

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