

Rabbit Mu Opioid Receptor (MOR) Polyclonal Antibody | anti-MOR antibody

Mu Opioid Receptor (MOR) Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281720	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

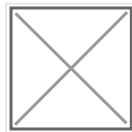
PRODUCT SYNONYMS

Mu Opioid Receptor (MOR); Polyclonal Antibody; Mu Opioid Receptor (MOR) Rabbit pAb; OPRM1; LMOR; M-OR-1; MOP; MOR; MOR1; OPRM; anti-MOR antibody

PRODUCT SPECIFICATIONS

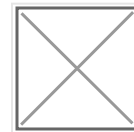
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence	IYVIAKALVT IPETTFQTVS WHFCIALGYT NSCLNPVLYA FLDENFKRCF REFCIPTSSN IEQQNSTRIR QNTRDHPSTA NTVDRNTNHQL ENLEAETAPL P
Applicable Applications for anti-MOR antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 300 to the C-terminus of human Mu Opioid Receptor(MOR)(NP_000905.3).
Cellular Location	Cell membrane, Cytoplasm, Multi-pass membrane protein
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of mouse brain using Mu Opioid Receptor(MOR) Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using Mu Opioid Receptor(MOR) Rabbit pAb at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Mu Opioid Receptor(MOR) antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-MOR antibody	Background: This gene encodes one of at least three opioid receptors in humans; the mu opioid receptor (MOR). The MOR is the principal target of endogenous opioid peptides and opioid analgesic agents such as beta-endorphin and enkephalins. The MOR also has an important role in dependence to other drugs of abuse, such as nicotine, cocaine, and alcohol via its modulation of the dopamine system. The NM_001008503.2:c.118A>G allele has been associated with opioid and alcohol addiction and variations in pain sensitivity but evidence for it having a causal role is conflicting. Multiple transcript variants encoding different isoforms have been found for this gene. Though the canonical MOR belongs to the superfamily of 7-transmembrane-spanning G-protein-coupled receptors some isoforms of this gene have only 6 transmembrane domains.
Product Categories/Family for anti-MOR antibody	Protein phosphorylation; Research; Signal Transduction; G protein signaling; G-Protein-Coupled Receptors(GPCR)

NCBI AND UNIPROT INFORMATION

NCBI GI #	117940060
NCBI GeneID	4988
NCBI Accession #	NP_000905.3
NCBI GenBank Nucleotide #	NM_000914.3
UniProt Accession #	P35372; Q12930; Q4VWM1; Q4VWM2; Q4VWM3; B0FXJ1; B2R9S7; B8Q1L7; B8Q1L8; B8Q1L9; G8XRH6; G8XRH8
Molecular Weight	44,779 Da
NCBI Official Full Name	mu-type opioid receptor isoform MOR-1
NCBI Official Synonym Full Names	opioid receptor, mu 1
NCBI Official Symbol	OPRM1
NCBI Official Synonym Symbols	MOP; MOR; LMOR; MOR1; OPRM; M-OR-1
NCBI Protein Information	mu-type opioid receptor; mu opiate receptor; mu opioid receptor hMOR-1a
UniProt Protein Name	Mu-type opioid receptor
UniProt Gene Name	OPRM1
UniProt Synonym Gene Names	MOR1; M-OR-1; MOR-1; MOP; hMOP
UniProt Entry Name	OPRM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mu-opioid-receptor-mor-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281720>