MOR-1 (phospho Ser375) rabbit pAb

Cat#: orb764400 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	MOR-1 (phospho Ser375) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Opioid Receptor around the phosphorylation site of Ser375. AA range:341-390
Specificity	Phospho-MOR-1 (S375) Polyclonal Antibody detects endogenous levels of MOR-1 protein only when phosphorylated at S375.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Mu-type opioid receptor
Gene Name	OPRM1
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cell projection, axon . Perikaryon . Cell projection, dendrite . Endosome . Is rapidly internalized after agonist binding. .; [Isoform 12]: Cytoplasm .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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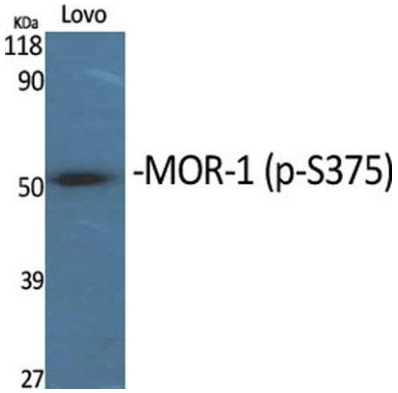
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	45kD
Human Gene ID	4988
Human Swiss-Prot Number	P35372
Alternative Names	OPRM1; MOR1; Mu-type opioid receptor; M-OR-1; MOR-1; Mu opiate receptor; Mu opioid receptor; MOP; hMOP
Background	This gene encodes one of at least three opioid receptors 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. [provided by RefSeq, Oct 2013],



Western Blot analysis of various cells using Phospho-MOR-1 (S375) Polyclonal Antibody

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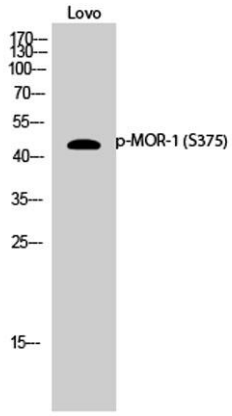
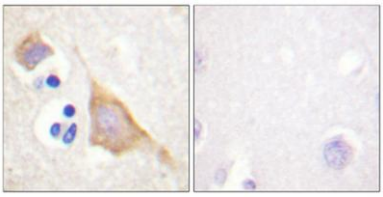
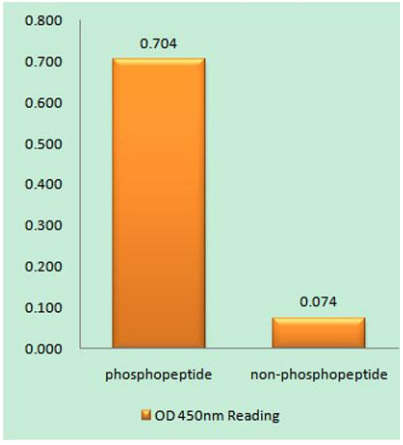


Western Blot analysis of Lovo cells using Phospho-MOR-1 (S375) Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Opioid Receptor (Phospho-Ser375) Antibody

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