BT LAB
Bioassay Technology Laboratory
Optimize Your Research

MOR-1(Phospho Ser375) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP11434
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Opioid Receptor around the phosphorylation site of Ser375. AA range:341-390
Mol wt	44779
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Mu-type opioid receptor
Synonyms	Mu-type opioid receptor; OPRM1; MOR1; Mu-type opioid receptor; M-OR-1; MOR-1; Mu opiate receptor; Mu opioid receptor; MOP; hMOP

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

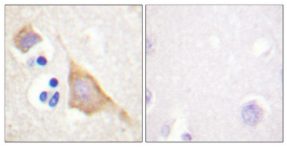
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

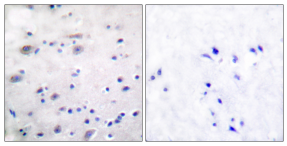
ELISA: 1: 20000

Not yet tested in other applications.

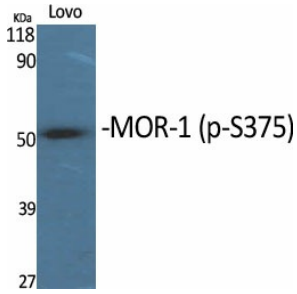
Images



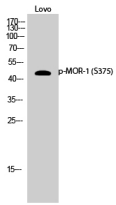
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°C overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using Opioid Receptor (Phospho-Ser375) Antibody. The picture on the right is blocked with the phospho peptide.



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



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

Storage

-20°C for 1 year

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