BT LAB
Bioassay Technology Laboratory
Optimize Your Research

MOR-1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05514
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human OPRM1. AA range:21-70
Mol wt	44779
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	MOR-1 Antibody
Synonyms	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

OPRM1 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. : c. 18A>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 OPRM1. 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

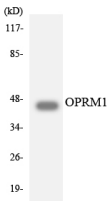
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

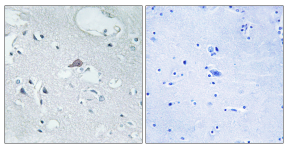
ELISA: 1: 40000

Not yet tested in other applications.

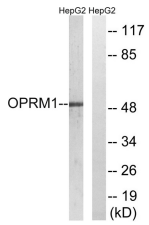
Images



Western blot analysis of the lysates from K562 cells using OPRM1 antibody.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using OPRM1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using OPRM1 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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