

Product datasheet for TA379485S

Mu Opioid Receptor (OPRM1) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies Applications: ELISA, ICC/IF, IHC, WB Recommended Dilution: WB.1:500 - 1:2000 IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200 ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. **Reactivity:** Human, Mouse, Rat Host: Rabbit Isotype: lgG **Clonality:** Polyclonal Formulation: PBS with 0.05% proclin300,50% glycerol,pH7.3. **Concentration:** lot specific **Purification:** Affinity purification **Conjugation:** Unconjugated Store at -20°C. Avoid freeze / thaw cycles. Storage: Stability: Shelf life: one year from despatch. **Predicted Protein Size:** 45kDa Gene Name: opioid receptor mu 1 Database Link: Entrez Gene 4988 Human P35372

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OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

	Mu Opioid Receptor (OPRM1) Rabbit Polyclonal Antibody – TA379485S
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.

Synonyms:

hMOP; KIAA0403; LMOR; MOP; MOR; MOR-1; MOR1; OPRM

Product images:



Western blot analysis of various lysates using Mu Opioid Receptor(MOR) Rabbit pAb ([TA379485]) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Immunohistochemistry analysis of paraffinembedded Rat brain using Mu Opioid Receptor(MOR) Rabbit pAb ([TA379485]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

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Immunofluorescence analysis of paraffinembedded mouse brain using Mu Opioid Receptor(MOR) Rabbit pAb ([TA379485]) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

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