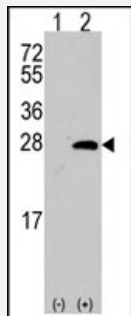


OPRS1 polyclonal antibody

Catalog # PAB2594

Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of OPRS1 (arrow) using rabbit OPRS1 polyclonal antibody (Cat # PAB2594). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the OPRS1 gene (Lane 2) (Origene Technologies).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of OPRS1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human OPRS1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Ammonium sulfate precipitation
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

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Gene Info — SIGMAR1

Entrez GeneID	10280
Protein Accession#	NP_005857:Q99720
Gene Name	SIGMAR1
Gene Alias	FLJ25585, MGC3851, OPRS1, SR-BP1
Gene Description	sigma non-opioid intracellular receptor 1
Omim ID	601978
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a receptor protein that interacts with a variety of psychotomimetic drugs, including cocaine and amphetamines. The receptor is believed to play an important role in the cellular functions of various tissues associated with the endocrine, immune, and nervous systems. As indicated by its previous name, opioid receptor sigma 1 (OPRS1), the product of this gene was erroneously thought to function as an opioid receptor; it is now thought to be a non-opioid receptor. Alternative splicing of this gene results in transcript variants encoding distinct isoforms. [provided by RefSeq]
Other Designations	OTTHUMP00000000515 OTTHUMP00000000516 OTTHUMP00000000517 OTTHUMP00000021286 SR31747 binding protein 1 aging-associated gene 8 protein opioid receptor, sigma 1 sigma 1 receptor type I sigma receptor

Publication Reference

- [An unambiguous assay for the cloned human sigma1 receptor reveals high affinity interactions with dopamine D4 receptor selective compounds and a distinct structure-affinity relationship for butyrophenones.](#)

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- [Irreversible blockade of sigma-1 receptors by haloperidol and its metabolites in guinea pig brain and SH-SY5Y human neuroblastoma cells.](#)

Cobos EJ, del Pozo E, Baeyens JM.

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- [Neuro\(active\)steroids actions at the neuromodulatory sigma1 \(sigma1\) receptor: biochemical and physiological evidences, consequences in neuroprotection.](#)

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Pharmacology, Biochemistry, and Behavior 2006 Aug; 84(4):581.

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