



OPRX Monoclonal Antibody

Catalog No	YP-mAb-07439
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	OPRL1 OOR ORL1
Protein Name	Nociceptin receptor (Kappa-type 3 opioid receptor) (KOR-3) (Orphanin FQ receptor)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	OPRX Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	40kD
Cell Pathway	Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle. Ligand binding leads to receptor internalization into cytoplasmic vesicles, decreasing the amount of available receptor at the cell surface. Internalization requires phosphorylation at Ser-363. Can recycle to the cell membrane.
Tissue Specificity	Detected in blood leukocytes.
Function	function:Receptor for the neuropeptide nociceptin/orphanin FQ. Has a potential role in modulating a number of brain functions, including instinctive behaviors and emotions. The activity of this receptor is mediated by G proteins which inhibits adenylyl cyclase.,induction:By phytohemagglutinin (PHA).,similarity:Belongs to the G-protein coupled receptor 1 family.,
Background	The protein encoded by this gene is a member of the 7 transmembrane-spanning G protein-coupled receptor family, and functions as a receptor for the endogenous, opioid-related neuropeptide, nociceptin/orphanin FQ. This receptor-ligand system modulates a variety of biological functions and neurobehavior, including stress responses and anxiety behavior, learning and memory, locomotor activity, and inflammatory and immune responses. A promoter region between this gene and the 5'-adjacent RGS19 (regulator of G-protein signaling 19) gene on the opposite strand functions bi-directionally as a



core-promoter for both genes, suggesting co-operative transcriptional regulation of these two functionally related genes. Alternatively spliced transcript variants have been described for this gene. A recent study provided evidence for translational readthrough in this gene and expression of an ad

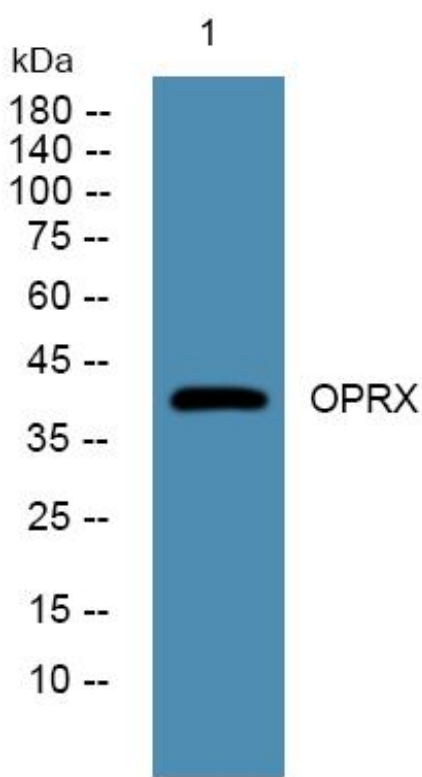
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using OPRX Monoclonal Antibody