

Rabbit OPRK1 Polyclonal Antibody | anti-OPRK1 antibody

OPRK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325648	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

OPRK1; Polyclonal Antibody; OPRK1 Antibody; K-OR-1; Kappa opioid receptor; Kappa type opioid receptor; Kappa-type opioid receptor; KOR 1; KOR; KOR-1; Opiate receptor kappa 1; Opiate receptor; kappa 1; Opioid receptor; OPRK 1; OPRK; OPRK_HUMAN; Oprk2; R21; anti-OPRK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	OPRK1 antibody detects endogenous levels of total OPRK1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	380
Applicable Applications for anti-OPRK1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Detected in brain and placenta.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COS-7 cells, using OPRK1 antibody.



IF (Immunofluorescence)

AAA325648 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-OPRK1 antibody	Function: G-protein coupled opioid receptor that functions as receptor for endogenous alpha-neoendorphins and dynorphins, but has low affinity for beta-endorphins. Also functions as receptor for various synthetic opioids and for the psychoactive diterpene salvinorin A. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling leads to the inhibition of adenylate cyclase activity. Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Plays a role in the perception of pain. Plays a role in mediating reduced physical activity upon treatment with synthetic opioids. Plays a role in the regulation of salivation in response to synthetic opioids. May play a role in arousal and regulation of autonomic and neuroendocrine functions. Subunit Structure: Interacts with SLC9A3R1. Interacts with GABARAPL1. Similarity: Belongs to the G-protein coupled receptor 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	39725940
NCBI GeneID	4986
NCBI Accession #	NP_000903.2
NCBI GenBank Nucleotide #	NM_000912.4
UniProt Accession #	P41145; Q499G4; E5RHC9
Molecular Weight	Observed: 48 kD Predicted: 43 kDa
NCBI Official Full Name	kappa-type opioid receptor isoform 1
NCBI Official Synonym Full Names	opioid receptor kappa 1
NCBI Official Symbol	OPRK1
NCBI Official Synonym Symbols	KOR; OPRK; KOR-1; K-OR-1
NCBI Protein Information	kappa-type opioid receptor
UniProt Protein Name	Kappa-type opioid receptor
UniProt Gene Name	OPRK1
UniProt Synonym Gene Names	OPRK; K-OR-1; KOR-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/oprk1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325648>