

Rabbit OPRK1 Polyclonal Antibody | anti-OPRK1 antibody

OPRK1 antibody - N-terminal region

CATALOG # AAA201719	HOST Rabbit	REACTIVITY Guinea Pig, Human, Mouse, Pig	APPLICATIONS Western Blot
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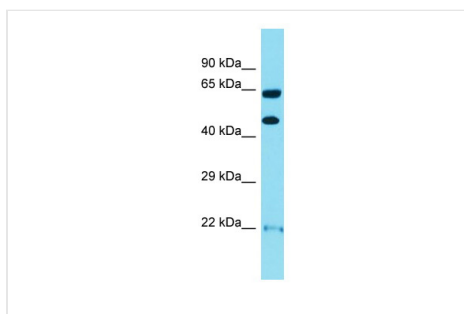
PRODUCT SYNONYMS

OPRK1; Polyclonal Antibody; OPRK1 antibody - N-terminal region; anti-OPRK1 antibody

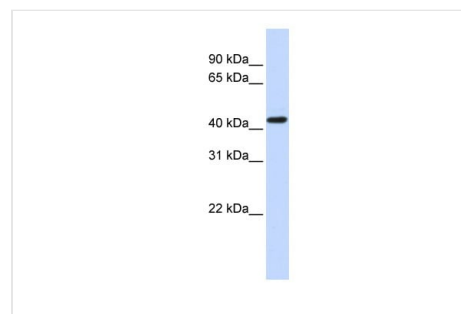
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Guinea Pig, Human, Mouse, Pig
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: DS PIQIFRGEPG PTCAPSACLP PNSSAWFPGW AEPDSNGSAG SEDAQLEP
Sequence Length	380
Applicable Applications for anti-OPRK1 antibody	WB (Western Blot)
Homology	Guinea Pig: 91%; Human: 100%; Mouse: 84%; Pig: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human OPRK1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-OPRK1 Antibody Titration: 1 ug/ml Positive Control: HuFetal Kidney


WB (Western Blot)

WB Suggested Anti-OPRK1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human brain

ADDITIONAL INFORMATION

Related Product Information for anti-OPRK1 antibody	This is a rabbit polyclonal antibody against OPRK1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: OPRK1 is a multi-pass membrane protein. It belongs to the G-protein coupled receptor 1 family. OPRK1 inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. It is the receptor for dynorphins. OPRK1 may play a role in arousal and regulation of autonomic and neuroendocrine functions.
Product Categories/Family for anti-OPRK1 antibody	Polyclonal; Lymphocyte Signaling; Immunology; Membrane & Traffic; Receptors; GPCR

NCBI AND UNIPROT INFORMATION

NCBI GI #	39725940
NCBI GeneID	4986
NCBI Accession #	NP_000903
NCBI GenBank Nucleotide #	NM_000912
UniProt Accession #	P41145
Molecular Weight	43kDa
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
UniProt Entry Name	OPRK_HUMAN

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.