

Product datasheet for **TA330000**

Kappa Opioid Receptor (OPRK1) Rabbit Polyclonal Antibody

Product data:

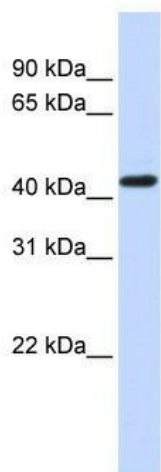
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-OPRK1 antibody: synthetic peptide directed towards the N terminal of human OPRK1. Synthetic peptide located within the following region: DSPIQIFRGEPGPTCAPSACLPPNSSAWFPGWAEPDSNGSAGSEDAQLEP
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43 kDa
Gene Name:	opioid receptor kappa 1
Database Link:	NP_000903 Entrez Gene 4986 Human P41145
Background:	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.
Synonyms:	K-OR-1; KOR; KOR-1; OPRK
Note:	Immunogen sequence homology: Human: 100%; Guinea pig: 91%; Pig: 85%; Mouse: 84%
Protein Families:	Druggable Genome, GPCR, Transmembrane



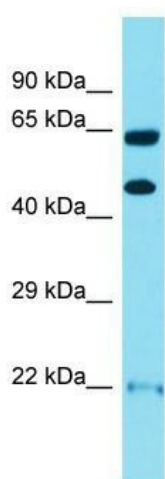
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Protein Pathways: Neuroactive ligand-receptor interaction

Product images:



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



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