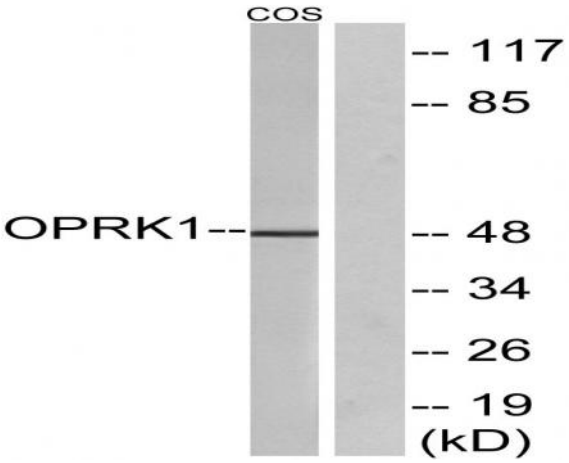
Best Tools for immunology Research

KOR-1 Polyclonal Antibody

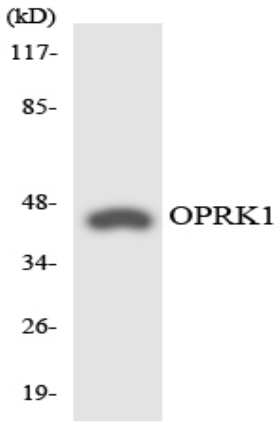
Catalog No :	YT2488
Reactivity :	Human;Mouse;Rat;Monkey
Applications :	WB;ELISA;IHC
Target :	KOR-1
Fields :	>>Neuroactive ligand-receptor interaction
Gene Name :	OPRK1
Protein Name :	Kappa-type opioid receptor
Human Gene Id :	4986
Human Swiss Prot No :	P41145
Mouse Gene Id :	18387
Mouse Swiss Prot No :	P33534
Rat Gene Id :	29335
Rat Swiss Prot No :	P34975
Immunogen :	The antiserum was produced against synthesized peptide derived from human OPRK1. AA range:321-370
Specificity :	KOR-1 Polyclonal Antibody detects endogenous levels of KOR-1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	48kD
Cell Pathway :	Neuroactive ligand-receptor interaction;
Background :	This gene encodes an opioid receptor, which is a member of the 7 transmembrane-spanning G protein-coupled receptor family. It functions as a receptor for endogenous ligands, as well as a receptor for various synthetic opioids. Ligand binding results in inhibition of adenylate cyclase activity and neurotransmitter release. This opioid receptor plays a role in the perception of pain and mediating the hypolocomotor, analgesic and aversive actions of synthetic opioids. Variations in this gene have also been associated with alcohol dependence and opiate addiction. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A recent study provided evidence for translational readthrough in this gene and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon. [provided by RefSeq, Jan 2016],
Function :	function:Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Receptor for dynorphins. May play a role in arousal and regulation of autonomic and neuroendocrine functions.,online information:Kappa opioid receptor entry,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts with SLC9A3R1. Interacts with GABARAPL1.,
Subcellular Location :	Cell membrane ; Multi-pass membrane protein .
Expression :	Detected in brain and placenta.
Sort :	8976
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

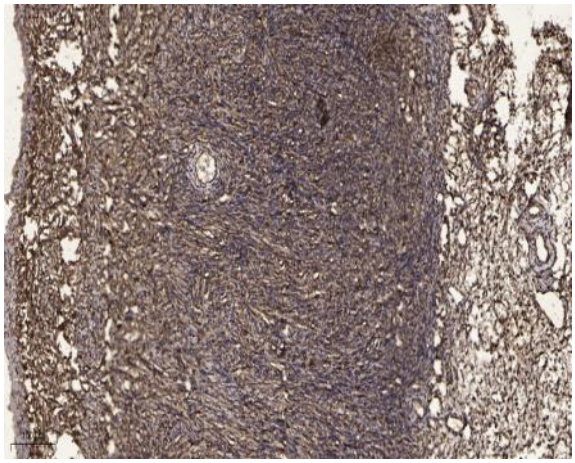
Products Images



Western blot analysis of lysates from COS7 cells, using OPRK1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using OPRK1 antibody.



Immunohistochemical analysis of paraffin-embedded human oophoroma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).