Product Name: Phospho-kappa Opioid Receptor (Ser369) Rabbit Polyclonal Antibody
Catalog #: APRab00834

Summary

Production Name	Phospho-kappa Opioid Receptor (Ser369) Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ELISA
Reactivity	Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Immunogen

Gene Name	OPRK1
Alternative Names	OPRK1; OPRK; Kappa-type opioid receptor; K-OR-1; KOR-1
Gene ID	4986
SwissProt ID	P41145

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000
Molecular Weight	Calculated MW: 43 kDa; Observed MW: 43 kDa

Background

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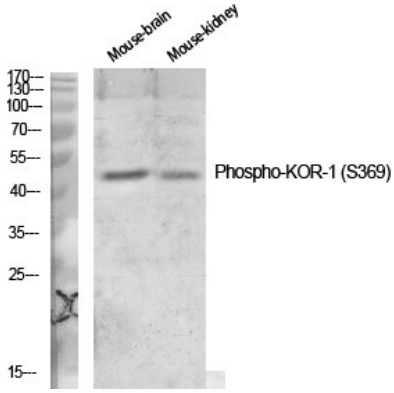
Endogenous opioid peptides and opiates, like morphine, transmit their pharmacological effects through membrane bound opioid receptors. Pharmacological studies and molecular cloning have led to the identification of three different types of opioid receptor, mu-type, delta-type and kappa-type, also designated MOR-1, DOR-1 and KOR-1, respectively. MOR-1 is a receptor for beta-endorphin, DOR-1 is a receptor for enkephalins, and KOR-1 is a receptor for dynorphins.The three opioid receptor types are highly homologous and belong to the superfamily of G-protein-coupled receptors. Opioid receptors have been shown to modulate a range of brain functions, including instinctive behavior and emotions. This regulation is thought to involve the inhibition of neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance.

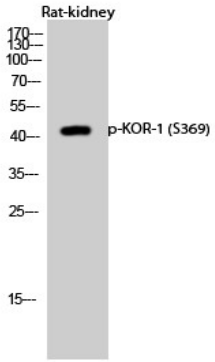
Research Area

Neuroscience

Image Data



Western blot analysis of Phospho-kappa Opioid Receptor (Ser369) in various lysates using Phospho-kappa Opioid Receptor (Ser369) antibody.



Western blot analysis of Phospho-kappa Opioid Receptor (Ser369) in rat kidney lysates using Phospho-KOR1 (S369) antibody.

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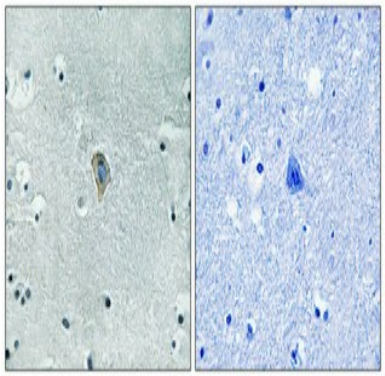
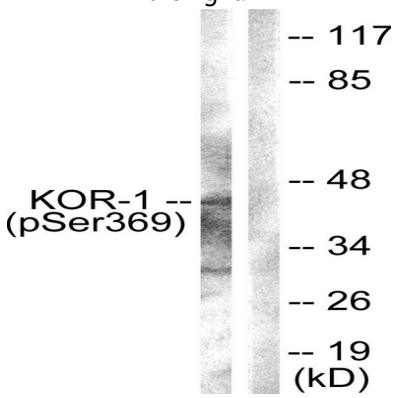


Immunohistochemistry analysis of paraffin-embedded Human brain using Phospho-kappa Opioid Receptor (Ser369) antibody. High-pressure and temperature Tris-EDTA pH 8.0 was used for antigen retrieval.Sample with blocking peptide on the right.



Western blot analysis of Phospho-kappa Opioid Receptor (Ser369) in NIH/3T3 lysates using Phospho-kappa Opioid Receptor (Ser369) antibody.The lane on the right is blocked with the Phospho- peptide.

Note

For research use only.