Phospho-kappa Opioid Receptor (Ser369) polyclonal antibody

Catalog: BZ16413 Host: Rabbit Reactivity: Mouse,Rat

BackGround:

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.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

Calculated MW: 43 kDa; Observed MW: 43 kDa

Swiss-Prot:

P41145

Purification&Purity:

Affinity Purified

Applications:

WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000

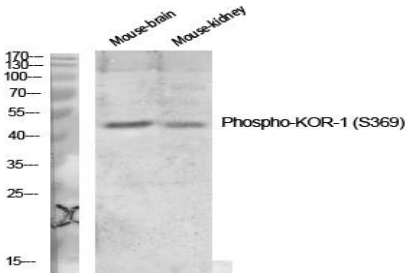
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

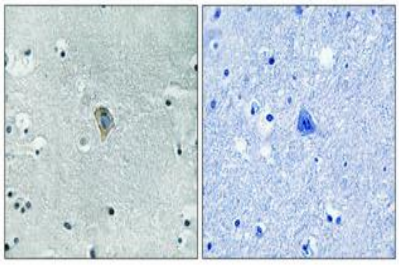
Isotype:

IgG

DATA:



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



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

Immunohistochemistry analysis of paraffin-embedded Human brain using Phospho-kappa Opioid Receptor 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 in NIH/3T3 lysates using Phospho-kappa Opioid Receptor antibody.The lane on the right is blocked with the Phospho- peptide.

Note:

For research use only, not for use in diagnostic procedure.

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