bs-20197R **[Primary Antibody]**

phospho-delta Opioid Receptor (Ser363) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4985 **SWISS:** P41143

Target: delta Opioid Receptor (Ser363)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human delta Opioid Receptor around the phosphorylation site of Ser363: TP(p-S)DG.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The opioid receptors are G-protein coupled, seven-transmembrane domain receptors for enkephalins, endorphins, and dynorphins. Three different opioid receptor subtypes (kappa , delta, and mu) were first identified by their different selectivities for various naturally occurring alkaloid opioid ligands, and subsequently confirmed by molecular cloning. The amino acid sequences of the opioid receptor subtypes are ~70% homologous, and are similar to somatostatin receptors (SSTRs) showing ~40 % homology with SSTR1. G-protein binding is thought to occur at the third intracellular loop of the opioid receptors, which is also the location of consensus sequences for phosphorylation of the receptor. Interestingly, the genes encoding the specific receptor subtypes are found on different chromosomes in both the human and mouse genomes.

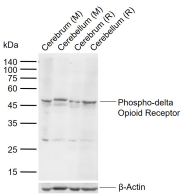
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Cow, Chicken)

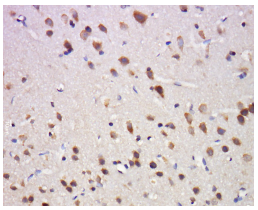
Predicted MW.: 40 kDa

Subcellular Location: Cell membrane

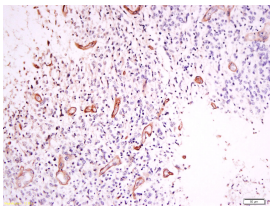
VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Cerebellum tissue lysates Lane 3: Rat Cerebrum tissue lysates Lane 4: Rat Cerebellum tissue lysates Primary: Anti-Phospho-delta Opioid Receptor (Ser363) (bs-20197R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kDa Observed band size: 47 kDa



Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Phospho-delta Opioid Receptor(Ser363) Polyclonal Antibody, Unconjugated (bs-20197R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell:human Neurological glioblastoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-OPRD Polyclonal Antibody, Unconjugated(bs-20197R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining