



Rabbit Anti-Phospho-delta Opioid Receptor (Ser363) antibody

SL20197R

Product Name:	Phospho-delta Opioid Receptor (Ser363)
Chinese Name:	磷酸化D型阿片受体抗体
Alias:	Delta Opioid Receptor (phospho S363); p-Delta Opioid Receptor (phospho S363); Delta Opioid Receptor (phospho S363); Delta Opioid Receptor (p-S363); Delta Opioid Receptor (phospho Ser363); Delta type opioid receptor; Delta type opioid receptor DOR 1; DOR 1; DOR1; mDOR; Nbor; Opioid receptor delta 1; OPRD; OPRD1; OPRD_HUMAN; Delta-type opioid receptor; D-OR-1; DOR-1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	40kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human delta Opioid Receptor around the phosphorylation site of Ser363:TP(p-S)DG
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

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.

Function:

Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Highly stereoselective. receptor for enkephalins.

Subunit:

Interacts with GPRASP1.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

Product Detail:**SWISS:**

P41143

Gene ID:

4985

Database links:

[Entrez Gene: 4985](#) Human

[Entrez Gene: 18386](#) Mouse

[Omim: 165195](#) Human

[SwissProt: P41143](#) Human

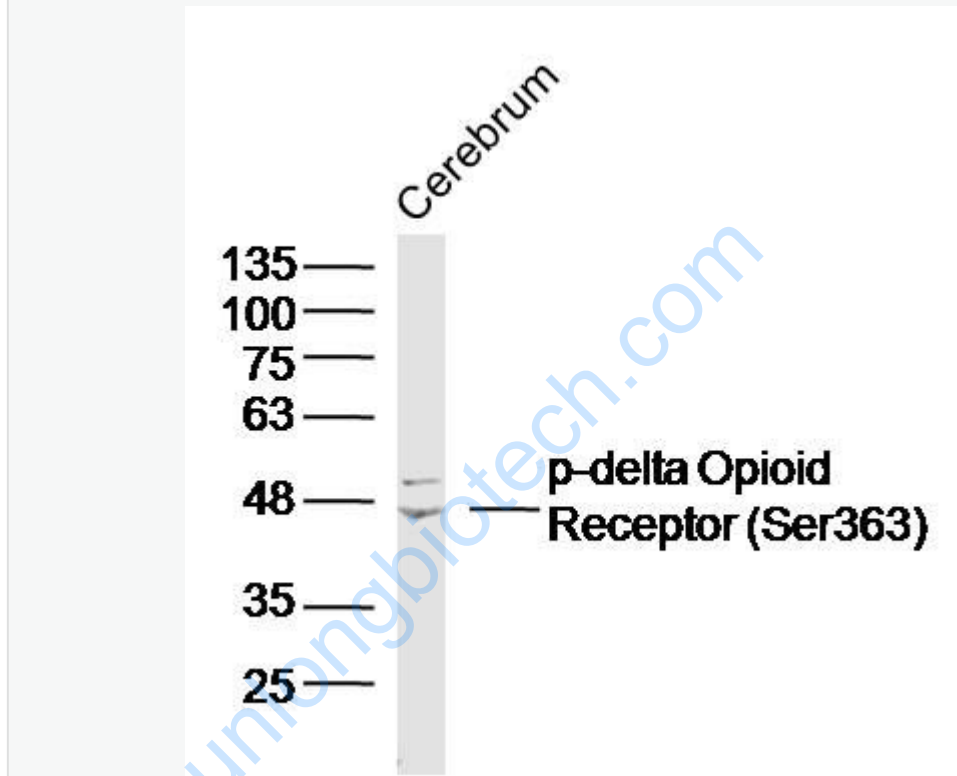
[SwissProt: P32300](#) Mouse

[Unigene: 372](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



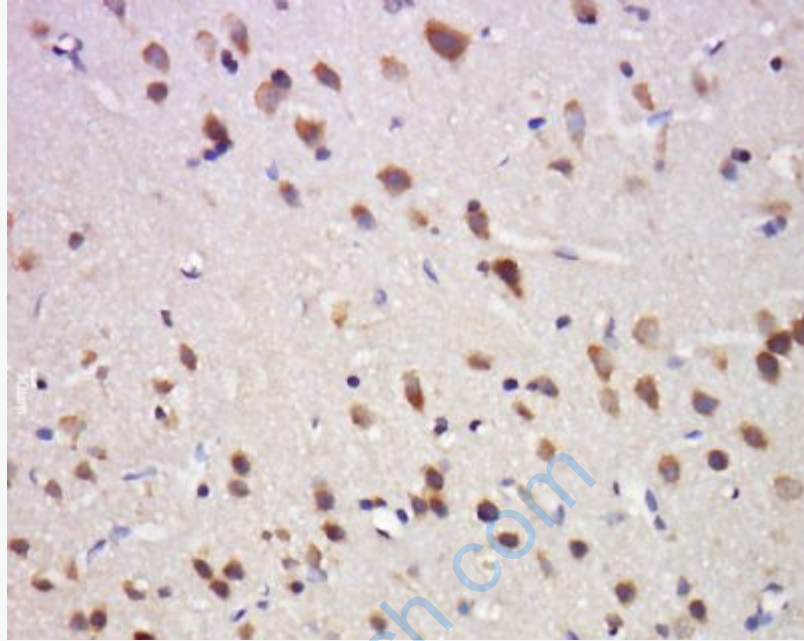
Sample: Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-p-delta Opioid Receptor (Ser363)(SL20197R) at 1/300 dilution

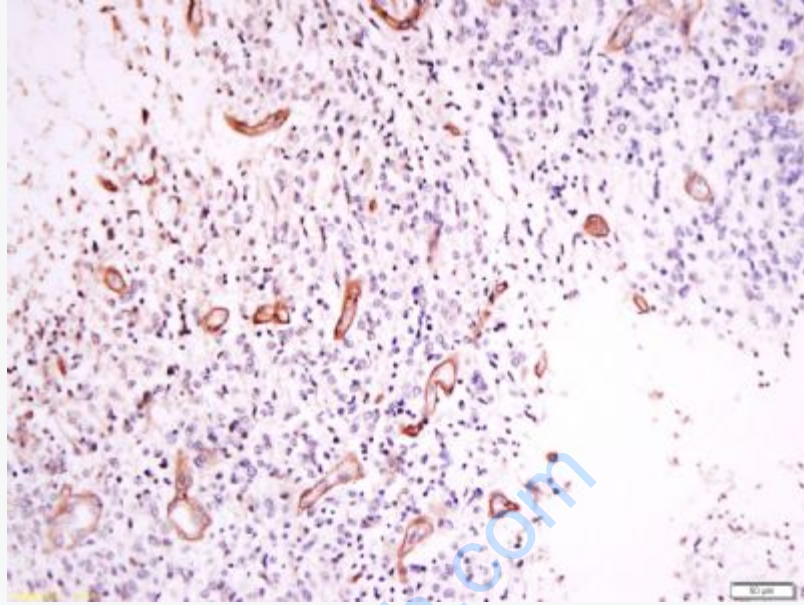
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40kD

Observed band size: 45kD



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 (SL20197R) 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(SL20197R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining