

Anti-Delta Opioid Receptor Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Dog,Pig,Cow,Rabbit,GuineaPig)
Molecular Weight:	Theoretical: 41 kDa. Actual: 41 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Brain (Mouse) Lysate at 40 µg Primary: Anti-Delta Opioid Receptor (TMAB-05073) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 41 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Delta Opioid Receptor
Antigen Species:	Human
Gene ID:	4985
Uniprot ID:	P41143

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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