

GABAA Rβ1 (phospho Ser434) Polyclonal Antibody

Catalog No: YP0576

Reactivity: Human; Mouse; Rat; Monkey

Applications: WB;IHC;IF;ELISA

Target: GABAA Rβ1

Fields: >>Neuroactive ligand-receptor interaction;>>Retrograde endocannabinoid

signaling;>>Serotonergic synapse;>>GABAergic synapse;>>Morphine

addiction;>>Nicotine addiction

Gene Name: GABRB1

Protein Name: Gamma-aminobutyric acid receptor subunit beta-1

P18505

P50571

Human Gene Id: 2560

Human Swiss Prot

No:

Mouse Gene Id: 14400

Mouse Swiss Prot

No:

Rat Gene Id: 25450

Rat Swiss Prot No: P15431

Immunogen : The antiserum was produced against synthesized peptide derived from human

GABA-RB around the phosphorylation site of Ser434. AA range:401-450

Specificity: Phospho-GABAA Rβ1 (S434) Polyclonal Antibody detects endogenous levels of

GABAA R\u00ed1 protein only when phosphorylated at S434.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source : Polyclonal, Rabbit, lgG

1/4



Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 55kD

Cell Pathway: Neuroactive ligand-receptor interaction;

Background: The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride

channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes GABA A receptor, beta 1 subunit. It is mapped to chromosome 4p12 in a cluster comprised of genes encoding alpha 4, alpha 2 and gamma 1 subunits of the GABA A receptor. Alteration of this gene is implicated in the pathogenetics of schizophrenia. [provided by RefSeq. Jul 2008].

Function: function:GABA, the major inhibitory neurotransmitter in the vertebrate brain.

mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.,online information:Forbidden fruit - Issue 56 of March 2005,similarity:Belongs to the ligand-gated ionic channel (TC 1.A.9) family.,subunit:Binds UBQLN1 (By similarity). Generally pentameric. There are five types of GABA(A) receptor chains: alpha, beta, gamma, delta, and rho.,

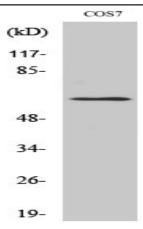
Subcellular Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane

Location : protein . Cell membrane ; Multi-pass membrane protein .

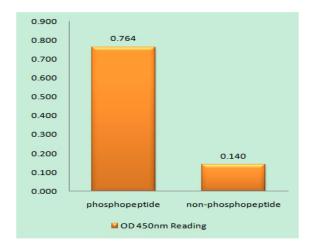
Expression : Brain, Epithelium,

Products Images

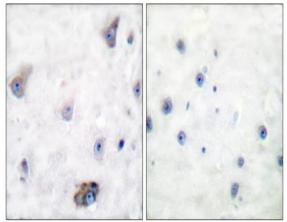
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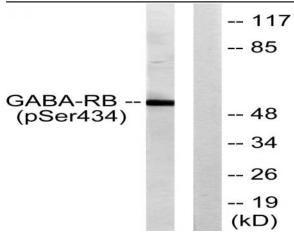
Western Blot analysis of various cells using Phospho-GABAA R β 1 (S434) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using GABA-RB (Phospho-Ser434) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using GABA-RB (Phospho-Ser434) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells, using GABA-RB (Phospho-Ser434) Antibody. The lane on the right is blocked with the phospho peptide.