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Datasheet for ABIN1387877
anti-GABRB1 antibody (pSer434)

Overview

Quantity:	100 µL
Target:	GABRB1
Binding Specificity:	pSer434
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABRB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human GARB1 around the phosphorylation site of Ser434
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target: GABRB1

Alternative Name: GARB1 ([GABRB1 Products](#))

Background: Synonyms: GABA A Receptor beta 1 phospho S434; GARB1 Ser 434; GABAA receptor subunit beta-1; GABA-A receptor, beta-1 polypeptide; Gabrb-1; Gamma Aminobutyric Acid A Receptor Beta 1; Gamma Aminobutyric Acid Receptor , beta-1; Gamma-aminobutyric acid GABA A receptor, subunit beta 1; Gamma-aminobutyric acid receptor subunit beta-1; GARB1; GABRA1; AW061132; B230208N19Rik; GABAA receptor beta 1; GABAA receptor subunit beta-1; GABA-A receptor, beta-1 polypeptide; Gabrb-1; GABRB1; Gamma aminobutyric acid GABA A receptor beta 1; Gamma Aminobutyric Acid A Receptor Beta 1; Gamma Aminobutyric Acid Receptor , beta-1; Gamma-aminobutyric acid GABA A receptor, subunit beta 1; Gamma-aminobutyric acid receptor subunit beta-1; GARB1; GBRB1_HUMAN.

Background: GAD-65 and GAD-67, glutamate decarboxylases, function to catalyze the production of GABA (g-aminobutyric acid). In the central nervous system GABA functions as the main inhibitory transmitter by increasing a Cl⁻ conductance that inhibits neuronal firing. GABA has been shown to activate both ionotropic (GABAA) and metabotropic (GABAB) receptors as well as a third class of receptors called GABAC. Both GABAA and GABAC are ligand-gated ion channels, however, they are structurally and functionally distinct. Members of the GABAA receptor family include GABAA R alpha 1-6, GABAA R beta 1-3, GABAA R ρ 1-3, GABAA R δ , GABAA R gamma, GABAA R delta 1 and GABAA R delta 2. The GABAB family is composed of GABAB R1 alpha and GABAB R1 beta. GABA transporters have also been identified and include GABA T-1, GABA T-2 and GABA T-3 (also designated GAT-1, -2 and -3). The GABA transporters function to terminate GABA action.

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months