Datasheet for ABIN1386210

anti-GABRG2 antibody (pSer366)

Go to Product page

Overview

Quantity:	100 µL
Target:	GABRG2
Binding Specificity:	pSer366
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABRG2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human GABRG2 around the phosphorylation site of Ser366
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Sheep,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	GABRG2
Alternative Name:	GABRG2 (GABRG2 Products)
Background:	Synonyms: p-GABAA R_2 Ser 365, CAE 2, CAE2, ECA 2, ECA2, GABAA receptor subunit gamma 2, GABAA receptor subunit gamma-2, GABRG 2, GABRG2 antibody Gamma aminobutyric acid GABA A receptor gamma 2, Gamma aminobutyric acid A receptor gamma 2, Gamma aminobutyric acid receptor gamma 2 subunit, Gamma-aminobutyric acid receptor subunit gamma-2, Gamma-aminobutyric-acid receptor gamma-2 subunit, GBRG2_HUMAN, GEFSP 3, GEFSP3. Background: GAD-65 and GAD-67, glutamate decarboxylases, function to catalyze the production of GABA (gamma-aminobutyric acid). In the central nervous system, GABA functions as the main inhibitory transmitter by increasing a Cl- (chloride) 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. The ?subunit of GABAA receptors are important for benzodiazepine binding and modulation of GABA-mediated Cl- current. GABAA R? is a 467 amino acid mulit-pass membrane protein localized to the postsynaptic cell membrane. Present as a pentamer with other GABAA receptor chains (Alpha, Beta, Gamma, Delta and Epsilon), the GABAA ligand-gated Cl- channels selectively complex with D5DR to enable mutual inhibitory functional interactions between the two receptor systems. Defects in the gene encoding GABAA R Gamma 2 have been found to be the cause of childhood absence epilepsy type 2, familial febrile convulsions type 8, generalized epilepsy with febrile seizures plus type 3 and severe myoclonic epilepsy in infancy.
Gene ID:	2566

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