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Datasheet for ABIN5003085

anti-GABRA6 antibody (AA 85-180) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	GABRA6
Binding Specificity:	AA 85-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABRA6 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GABRA6/GABA A Receptor alpha 6
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GABRA6
Alternative Name:	GABRA6/GABA A Receptor alpha 6 (GABRA6 Products)
Background:	Synonyms: GABA A, GABA A Receptor alpha 6 polypeptide, GABA A receptor alpha 6, GABA A

Target Details

receptor subunit alpha 6, GABA subunit A receptor alpha 6, GABAA receptor subunit alpha-6, GABRA 6, GABRA6, Gamma aminobutyric acid A receptor alpha 6, Gamma aminobutyric acid GABA A receptor alpha 6, Gamma aminobutyric acid receptor subunit alpha 6, Gamma-aminobutyric acid receptor subunit alpha-6, GBRA6_HUMAN, MGC116903, MGC116904.

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⁻ 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 gamma 1-3, GABAA R gamma , GABAA R delta. 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.

Gene ID: 2559

UniProt: [Q16445](#)

Pathways: [Synaptic Membrane](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months