

ARG22236 anti-GABAA Receptor alpha 1 antibody [S95-35]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [S95-35] recognizes GABAA Receptor alpha 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	Detects ~55kDa. No cross-reactivity against GABA-A-R-Alpha 2 or -Alpha3.
Host	Mouse
Clonality	Monoclonal
Clone	S95-35
Isotype	IgG2a
Target Name	GABAA Receptor alpha 1
Species	Human
Immunogen	Fusion protein around aa. 355-394 of Human GABAA Receptor alpha 1
Conjugation	Un-conjugated
Alternate Names	A; EJM; EIEE19; EJM5; Gamma-aminobutyric acid receptor subunit alpha-1; ECA4; GABA

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	IHC-P	1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.09% Sodium azide and 50% Glycerol
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

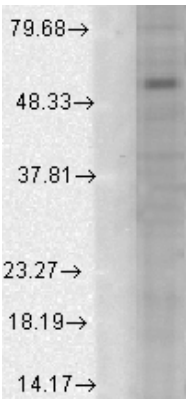
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	Gabra1
Gene Full Name	gamma-aminobutyric acid (GABA) A receptor, subunit alpha 1
Background	This gene encodes a gamma-aminobutyric acid (GABA) receptor. GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene cause juvenile myoclonic epilepsy and childhood absence epilepsy type 4. Multiple transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]
Function	Component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the vertebrate brain. Functions also as histamine receptor and mediates cellular responses to histamine. Functions as receptor for diazepines and various anesthetics, such as pentobarbital; these are bound at a separate allosteric effector binding site. Functions as ligand-gated chloride channel (By similarity). [UniProt]
Calculated Mw	52 kDa
Cellular Localization	Cell Junction, Cell membrane, postsynaptic cell membrane, Synapse

Images



ARG22236 anti-GABAA Receptor alpha 1 antibody [S95-35] WB image

Western blot: Human cell line lysates stained with ARG22236 anti-GABAA Receptor alpha 1 antibody [S95-35] at 1:1000 dilution.