ARG64825
anti-GABAA Receptor alpha 4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes GABAA Receptor alpha 4
Tested Reactivity	Hu
Predict Reactivity	Cow
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	GABAA Receptor alpha 4
Species	Human
Immunogen	C-EKAKRKTSKPPQE
Conjugation	Un-conjugated
Alternate Names	A; Gamma-aminobutyric acid receptor subunit alpha-4; GABA

Application Instructions

Application table

Application	Dilution
IHC-P	2 - 4 µg/ml
WB	0.1 - 0.3 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 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 or below. 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.

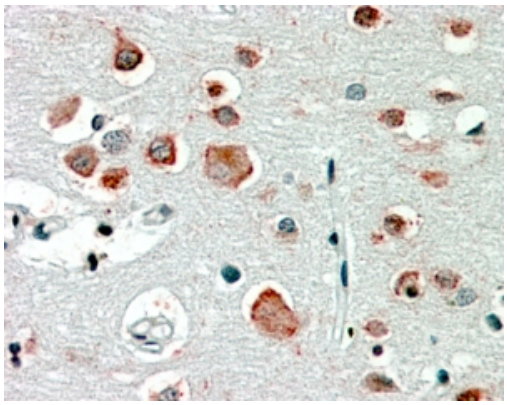
Bioinformation

Database links	GeneID: 2557 Human Swiss-port # P48169 Human
Background	Gamma-aminobutyric acid (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. At least 16 distinct subunits of GABA-A receptors have been identified. This gene encodes subunit alpha-4, which is involved in the etiology of autism and eventually increases autism risk through interaction with another subunit, gamma-aminobutyric acid receptor beta-1 (GABRB1). Alternatively spliced transcript variants encoding different isoforms have been found in this gene.[provided by RefSeq, Feb 2011]
Research Area	Neuroscience antibody
Calculated Mw	62 kDa

Images

ARG64825 anti-GABAA Receptor alpha 4 antibody WB image

Western blot: Human Frontal Cortex lysate (35 µg protein in RIPA buffer) stained with ARG64825 anti-GABAA Receptor alpha 4 antibody at 0.1 µg/ml dilution.



ARG64825 anti-GABAA Receptor alpha 4 antibody IHC-P image

Immunohistochemistry: Paraffin embedded Human Cortex. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64825 anti-GABAA Receptor alpha 4 antibody at 2.5 µg/ml dilution followed by AP-staining.