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anti-GABRA4 antibody (Internal Region)

2 Images



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Overview

Quantity:	100 μg
Target:	GABRA4
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This GABRA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	GABRA4
Immunogen:	Peptide with sequence C-EKAKRKTSKPPQE, from the internal region of the protein sequence according to NP_000800.2.
Sequence:	EKAKRKTSKP PQE
Isotype:	IgG
Cross-Reactivity:	Cow, Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

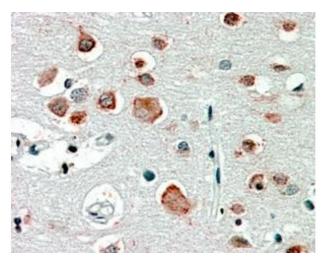
Target:	GABRA4
Alternative Name:	GABRA4 (GABRA4 Products)
Background:	GABRA4, gamma-aminobutyric acid (GABA) A receptor, alpha 4, gamma-aminobutyric acid A receptor, alpha 4
Gene ID:	2557
NCBI Accession:	NP_000800
Pathways:	Synaptic Membrane

Application Details

Restrictions:	For Research Use only
	Peptide ELISA: antibody detection limit dilution 1:16000.
	0.1-0.3 μg/mL.
	lysates (calculated MW of 61.6 kDa according to NP_000800.2). Recommended concentration:
	Western Blot: Approx. 70 kDa band observed in Human Brain (Cerebellum and Frontal Cortex)
	the neuronal cell membrane Recommended concentration, 2-4 μg/mL.
Application Notes:	Immunohistochemistry: In paraffin embedded Human Cortex shows patchy staining near or at

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Immunohistochemistry

Image 1. ABIN335137 (2.5 μ g/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

Image 2. EB09101 (0.1μg/ml) staining of Human Frontal Cortex lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.