

GABAA R Alpha4 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03426
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human GABRA4. AA range:81-130
Mol wt	61640
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	GABAA Ralpha4 Antibody
Synonyms	GABRA4; Gamma-aminobutyric acid receptor subunit alpha-4; GABA(A) receptor subunit alpha-4

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. GABRA4 encodes Gamma-aminobutyric acid receptor 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 GABRA4.

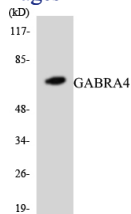
Recommended Dilution

WB: 1: 500 - 1: 2000

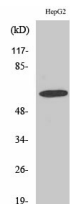
ELISA: 1: 40000

Not yet tested in other applications.

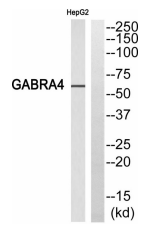
Images



Western blot analysis of the lysates from COLO205 cells using GABRA4 antibody.



Western Blot analysis of various cells using GABAA Rα4 Polyclonal Antibody diluted at 1:1000



Western blot analysis of GABRA4 Antibody. The lane on the right is blocked with the GABRA4 peptide.

Storage

-20°C for one year

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