

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.

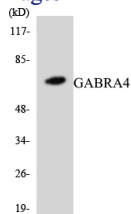
Recommended Dilution

WB: 1: 500 - 1: 2000

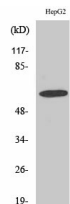
ELISA: 1: 40000

Not yet tested in other applications.

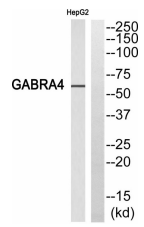
Images



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



Western Blot analysis of various cells using GABAA R α 4 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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