abcam

Product datasheet

Anti-GABA A Receptor delta antibody ab110014

1 References 1 Image

Overview

Product name	Anti-GABA A Receptor delta antibody
Description	Rabbit polyclonal to GABA A Receptor delta
Host species	Rabbit
Specificity	Detects endogenous levels of total GABA A Receptor delta protein
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	A synthesized peptide derived from an internal sequence of human GABA A Receptor delta
Positive control	Extracts from LOVO or HT29 cells

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 0.88% Sodium chloride, 50% Glycerol, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab110014** in the following tested applications.

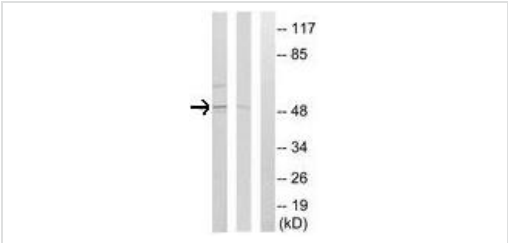
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 50 kDa.

Target

Function	GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.
Involvement in disease	Defects in GABRD are the cause of susceptibility to generalized epilepsy with febrile seizures plus type 5 (GEFS+5) [MIM:604233]. Generalized epilepsy with febrile seizures-plus refers to a rare familial condition with incomplete penetrance and large intrafamilial variability. Patients display febrile seizures persisting sometimes beyond the age of 6 years and/or a variety of afebrile seizure types. GEFS+ is a disease combining febrile seizures, generalized seizures often precipitated by fever at age 6 years or more, and partial seizures, with a variable degree of severity. Defects in GABRD are the cause of susceptibility to idiopathic generalized epilepsy type 10 (IGE10) [MIM:613060]. A disorder characterized by recurring generalized seizures in the absence of detectable brain lesions and/or metabolic abnormalities. Generalized seizures arise diffusely and simultaneously from both hemispheres of the brain. Defects in GABRD are the cause of susceptibility to juvenile myoclonic epilepsy type 7 (EJM7) [MIM:613060]. A subtype of idiopathic generalized epilepsy. Patients have afebrile seizures only, with onset in adolescence (rather than in childhood) and myoclonic jerks which usually occur after awakening and are triggered by sleep deprivation and fatigue.
Sequence similarities	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRD sub-subfamily.
Cellular localization	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

Images



Western blot - GABA A Receptor delta antibody (ab110014)

All lanes : Anti-GABA A Receptor delta antibody (ab110014) at 1/500 dilution

Lane 1 : extracts from HT29 cells (5-30 ug total protein) with no immunizing peptide
Lane 2 : extracts from LOVO cells (5-30 ug total protein) with no immunizing peptide
Lane 3 : extracts from LOVO cells (5-30 ug total protein) with immunizing peptide (5-10 ug)

Predicted band size: 50 kDa

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