

## **Product Data Sheet:** GABAA Ralpha1 Rabbit Polyclonal Antibody

Cat. No: AB-J7849

Conjugate: Unconjugated

Size: 100 ug Clone: **POLY Concentration:** 1mg/ml Host: Rabbit Isotype: IgG

The antiserum was produced against synthesized peptide derived from the Immunogen:

Internal region of human GABRA1. AA range:61-110

Reactivity: Human; Mouse; Rat

Western Blot: 1/500 - 1/2000 Immunohoistochemistry (paraffin-embedded **Applications:** 

tissues): 1:100-1:300. ELISA: 1/10000

**Molecular Weight:** 50kD

The antibody was affinity-purified from rabbit antiserum by affinity-**Purification:** 

chromatography using epitope-specific immunogen.

GABRA1; Gamma-aminobutyric acid receptor subunit alpha-1; GABA(A) receptor **Synonyms:** 

subunit alpha-1

This gene encodes a gamma-aminobutyric acid (GABA) receptor. 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. GABA-A receptors are pentameric, consisting of proteins

**Background:** 

from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene cause juvenile myoclonic epilepsy and childhood absence epilepsy type 4. Multiple transcript variants encoding the same protein have been identified for

this gene.

Form: Liquid

**Buffer:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage: Store at -20°C. Avoid repeated freeze-thaw cycles.