

# GABAB R1 rabbit pAb

Cat No.:ES5427

For research use only

## Overview

Product Name	GABAB R1 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Guinea pig
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GABBR1. AA range:891-940
Specificity	GABAB R1 Polyclonal Antibody detects endogenous levels of GABAB R1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Gamma-aminobutyric acid type B receptor subunit 1
Gene Name	GABBR1
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Cell projection, dendrite . Colocalizes with ATF4 in hippocampal neuron dendritic membranes (By similarity). Coexpression of G
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	108kD
Human Gene ID	2550
Human Swiss-Prot Number	Q9UBS5
Alternative Names	GABBR1; GPRC3A; Gamma-aminobutyric acid type B receptor subunit 1; GABA-B receptor 1; GABA-B-R1;



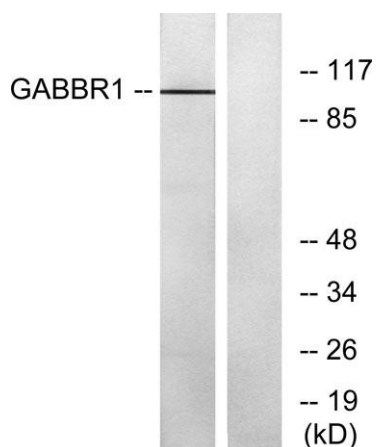
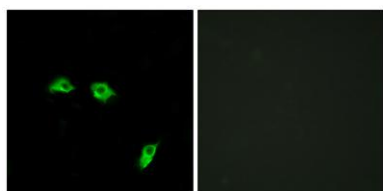


## Background

### GABA-BR1; GABABR1; Gb1

This gene encodes a receptor for gamma-aminobutyric acid (GABA), which is the main inhibitory neurotransmitter in the mammalian central nervous system. This receptor functions as a heterodimer with GABA(B) receptor 2. Defects in this gene may underlie brain disorders such as schizophrenia and epilepsy. Alternative splicing generates multiple transcript variants, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jan 2016],

Immunofluorescence analysis of HeLa cells, using GABBR1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, using GABBR1 Antibody. The lane on the right is blocked with the synthesized peptide.

