

GABBR2 Polyclonal Antibody

Catalog Number OPA1-04119

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Rat
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution * 1:1,000
Type	Antibody	Immunocytochemistry (ICC/IF)	1:100-1:250
Immunogen	Synthetic phosphopeptide corresponding to amino acid residues surrounding the Phospho-GABA-B (pSer892) Receptor R2 Subunit.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

OPA1-04119 detects phospho GABA-B (pSer892) receptor R2 subunit in rat samples. OPA1-04119 has been successfully used in Immunofluorescence and Western blot procedures. By Western blot, this antibody detects a ~110 kDa protein representing phospho GABA-B (pSer892) receptor R2 subunit in rat brain membrane fractions. The OPA1-04119 immunizing peptide corresponds to the amino acid residues surrounding the phospho GABA-B (pSer892) receptor R2 subunit.

Background/Target Information

The multi-pass membrane protein, GABBR2, belongs to the G-protein coupled receptor 3 family and GABA-B receptor subfamily. The GABA-B receptors inhibit neuronal activity through G protein-coupled second-messenger systems, which regulate the release of neurotransmitters, and the activity of ion channels and adenylyl cyclase. This receptor subunit forms an active heterodimeric complex with GABA-B receptor subunit 1, neither of which is effective on its own. Allelic variants of this gene have been associated with nicotine dependence.

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