

GABRB1 Polyclonal Antibody

Catalog NumberOPA1-04106

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Mouse, Rat
Host/Isotope	Rabbit / IgG	Published species	Rat, Mouse
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	Fusion protein from the cytoplasmic loop of the beta 1 subunit of rat GABRB1	Published Applications	
Conjugate	Unconjugated	Western Blot (WB)	See 1 publications below
Form	Liquid	* 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.	
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with bovine, chicken, canine, human, mouse, non-human primate, Xenopus and zebrafish based on 100% sequence homology. In Western blot, this antibody detects a ~52 kDa protein representing GABA-A receptor beta 1 subunit from rat brain fractions.

Background/Target Information

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.

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PubMed References For GABRB1 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	OPA1-04106 was used in western blot to investigate the role of a GABAergic system in airway epithelium in mucus overproduction in asthma
Mouse / Not Cited	<p>Nature medicine (2007; 13: 862)</p> <p>"A GABAergic system in airway epithelium is essential for mucus overproduction in asthma."</p> <p>Author(s):Xiang YY,Wang S,Liu M,Hirota JA,Li J,Ju W,Fan Y,Kelly MM,Ye B,Orser B,O'Byrne PM,Inman MD,Yang X,Lu WY</p> <p>PubMed Article URL:http://dx.doi.org/10.1038/nm1604</p>

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