

GABARAP Polyclonal Antibody

Catalog Number PA1-4147

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Bovine, Human, Mouse, Non-human primate, Rat
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Western Blot (WB)	1:500-1:1,000
Immunogen	Synthetic peptide corresponding to residues P(33) H L P R P H P R V P P H P S S E R R A V Y(54) of the mouse and rat GABA R1 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		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

PA1-4147 detects GABA Receptor Associated Protein in human, rat, mouse, bovine, and non-human primate samples. PA1-4147 has been successfully used in Western blot procedures. By Western blot this antibody detects a ~116 kDa protein representing GABA Receptor Associated Protein in brain lysate. The PA1-4147 immunogen is a synthetic peptide corresponding to residues P(33) H L P R P H P R V P P H P S S E R R A V Y (54) of the mouse and rat GABA R1 subunit.

Background/Target Information

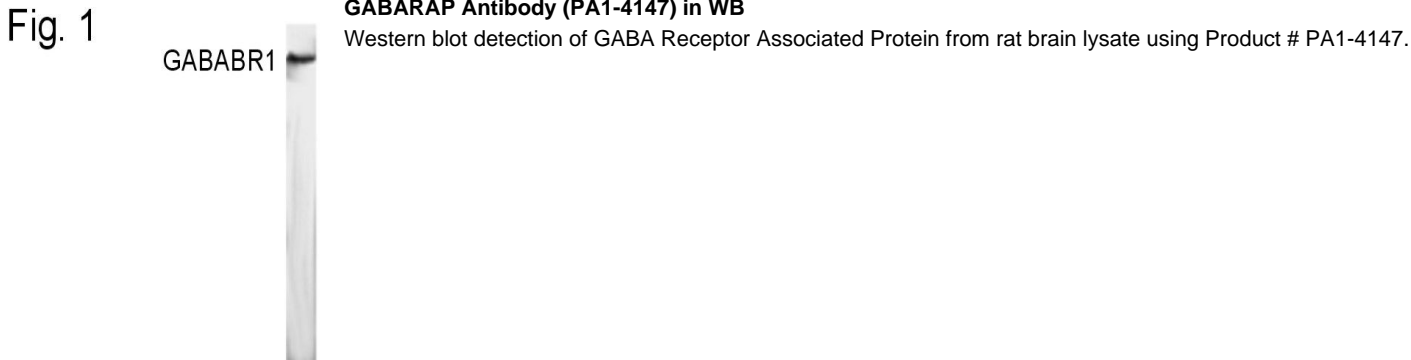
Gamma-aminobutyric acid (GABA) is the main inhibitory transmitter by increasing a Cl⁻ conductance that inhibits neuronal firing in the central nervous system. It has been shown to activate both ionotropic (GABAA) and metabotropic (GABAB) receptors as well as a third class of receptors called GABAC. GABARAP (GABAA receptor-associated protein) links GABAA receptors to the cytoskeleton and may play a role in intracellular transport of GABAA receptors and its interaction with the cytoskeleton. GABARAP belongs to the MAP1 or ATG8 like family and recent studies show that MAPK15 /ERK8 is acting through interaction with ATG8 family proteins to regulate autophagy.

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