Product Datasheet

GABA Antibody
NBP1-78346

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 2

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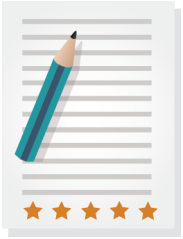

NBP1-78346

GABA Antibody

Product Information	
Unit Size	0.1 ml
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Reconstitution Instructions	Reconstitute with 0.1 ml distilled or deionized water. After reconstitution, use immediately or store at 2-8C up to 2 days. If desired, dilute with PBS or Tris buffer at a dilution no higher than 1/10 and aliquot at -15C or below.
Purity	Protein A purified
Buffer	PBS

Product Description	
Host	Rabbit
Species	Mouse, Rat, Rabbit
Reactivity Notes	Rabbit reactivity reported in scientific literature (PMID: 30244021). Reacts with Rat, Mouse, Turtle, Frog. May react with Cat, Fish, Frog, Monkey.
Immunogen	GABA coupled to bovine serum albumin (BSA) with glutaraldehyde.
Notes	Fixative: 4% paraformaldehyde/0.3% glutaraldehyde in 0.1M phosphate buffer, pH 7.4; 500 mL for ~20-30 min. Post Fixation: 1.5 hr. at 4C in 4% paraformaldehyde/ 0.3% glutaraldehyde in 0.1 M phosphate buffer, pH 7.4. Note: Glutaraldehyde is a necessary component of fixation with this antibody. Higher concentrations of glutaraldehyde (e.g. 1-2%) may be used if needed.

Product Application Details	
Applications	Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	The gamma amino butyric acid antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat thalamus and cerebellum using indirect immunofluorescent and biotin/avidin-HRP techniques. The specificity of the antiserum for GABA was evaluated using a competitive inhibition ELISA. While conjugates of GABA completely eliminate labeling, a 1000 fold excess of the following conjugates could not inhibit the antiserums ability to bind GABA conjugate: glutamate, aspartate, beta alanine, tyrosine, taurine, glycine and alanine.

Publications

Iovino L, Mutolo D, Cinelli E et al. Breathing stimulation mediated by 5-HT1A and 5-HT3 receptors within the preBotzinger Complex of the adult rabbit. Brain Res. 2018-09-19 [PMID: 30244021] (IF/IHC, Rabbit)

Cinelli E, Mutolo D, Contini M et al. Inhibitory control of ascending glutamatergic projections to the lamprey respiratory rhythm generator. Neuroscience. 2016-06-21 [PMID: 27058146] (IF/IHC)

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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