Product Datasheet

GABA Antibody
NB120-17413-0.05ml

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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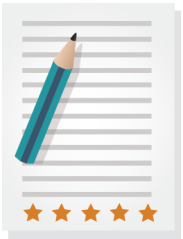
Updated 3/30/2022 v.20.1



NB120-17413-0.05ml

GABA Antibody

Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera with 0.1M Tris-Glycine (pH 7.4) and 0.15M NaCl

Product Description	
Host	Guinea Pig
Species	All Species
Specificity/Sensitivity	Recognizes GABA. Staining was blocked by preabsorbing with 100uM GABA conjugated to glutaraldehyde. 500uM of similar conjugations of glutamic acid, glutamate and taurine failed to block staining.
Immunogen	GABA coupled to BSA via glutaraldehyde

Product Application Details	
Applications	ELISA, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	ELISA 1:100-1:2000, Immunohistochemistry 1:500, Immunohistochemistry-Paraffin 1:500, Immunohistochemistry-Frozen
Application Notes	Does not work on mouse frozen sections as per customer feedback.

Procedures

Immunohistochemistry Protocol for GABA Antibody (NB120-17413)
Immunohistochemistry:

Brain tissues were fixed with 4% paraformaldehyde and 0-0.5% glutaraldehyde give good results.

1. Tissues are fixed with 0.1M phosphate buffer, pH 6.5, 4% paraformaldehyde, 0-0.5% glutaraldehyde, 0.5% potassium dichromate. Tissue post-fixed overnight.
2. Cut sectioned in 50um.
3. Incubated in 0.05M Tris buffer, pH 6.5 for 3 hrs.
4. Sections are incubated for 18-24 hours with NB120-17413 diluted 1:500 in PBS, 0.1% sodium azide, 0.2% Triton X-100, 1% normal goat serum.
5. Fluorescein conjugated antibody or PAP may be used as the secondary reagent.

Note: Without colchicine pretreatment well-stained cell bodies are visible in the cerebral cortex, cerebellar cortex, superior colliculus and some brainstem raphe. With colchicine pretreatment, additional cell body staining is present in the interpeduncular nucleus and the dorsal column nuclei. Staining was blocked by preabsorbing with 100uM GABA conjugated to glutaraldehyde.

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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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