

For Research Use Only

GABRA6 Polyclonal antibody

Catalog Number: 21766-1-AP



Basic Information

Catalog Number: 21766-1-AP	GenBank Accession Number: BC096241	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 2559	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: gamma-aminobutyric acid (GABA) A receptor, alpha 6	
Isotype: IgG	Calculated MW: 453 aa, 51 kDa	
Immunogen Catalog Number: AG16375		

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse cerebellum tissue,
Species Specificity: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Gamma-aminobutyric acid (GABA) is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABAA receptors, which are ligand-gated chloride channels. GABAA receptors are formed by pentameric assembly of 19 different subunit subtypes ($\alpha 1$ - $\alpha 6$, $\beta 1$ - $\beta 3$, $\gamma 1$ - $\gamma 3$, δ , ϵ , π , θ and $\rho 1$ - $\rho 3$) (PMID: 21930603). The mutation R46W of GABRA6 is associated with the pathogenesis of childhood absence epilepsy (CAE) (PMID: 21930603).

Storage

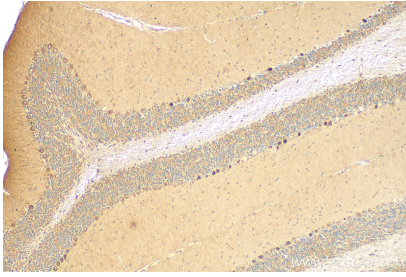
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

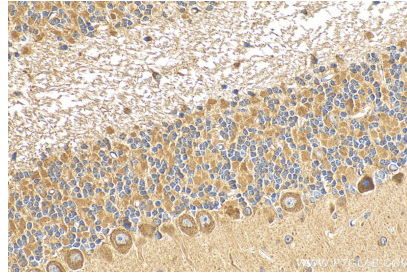
For technical support and original validation data for this product please contact:
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 21766-1-AP (GABRA6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 21766-1-AP (GABRA6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).