For Research Use Only

DOC2A Polyclonal antibody

Catalog Number:20575-1-AP

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Basic Information

Catalog Number:
20575-1-AP

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_003586

GeneID (NCBI):
8448

UNIPROT ID:
Q14183

Full Name:
double C2-like domains, alpha

Calculated MW:
44 kDa

Observed MW:
18-44 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, mouse testis tissue, rat brain tissue

IHC : mouse brain tissue,

Background Information

DOC2, Double C2-like domain-containing protein alpha, is involved in Ca(2+)-dependent neurotransmitter release. DOC2A and DOC2B are sensors for neuronal activity with unique calcium-dependent and kinetic properties (PMID: 16515538). DOC2A is mainly expressed in brain and also expressed in testis (PMID: 7826360).

Storage

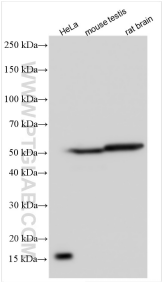
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

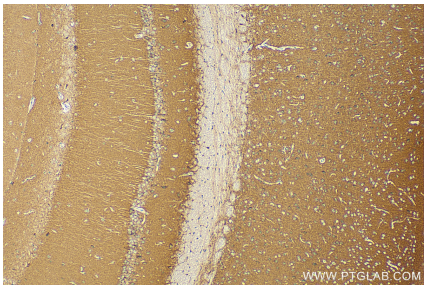
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

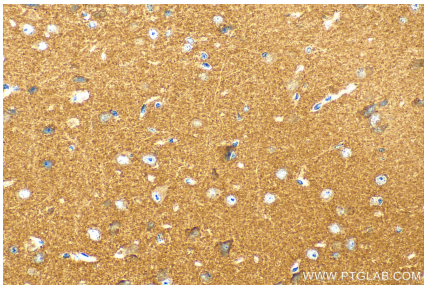
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 20575-1-AP (DOC2A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20575-1-AP (DOC2A 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 brain tissue slide using 20575-1-AP (DOC2A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).