

For Research Use Only

CYP46A1 Monoclonal antibody, PBS Only



Catalog Number: 68576-1-PBS

Basic Information

Catalog Number:

68576-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG16786

GenBank Accession Number:

BC022539

GeneID (NCBI):

10858

UNIPROT ID:

Q9Y6A2

Full Name:

cytochrome P450, family 46, subfamily A, polypeptide 1

Calculated MW:

500 aa, 57 kDa

Observed MW:

57 kDa

Purification Method:

Protein A purification

CloneNo.:

1E10D3

Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

Human, Mouse, Rat, Rabbit, Pig

Background Information

Cytochrome P450 46A1 (CYP46A1), also named as CYP46, P450 46A1, CH24H and Cholesterol 24-hydroxylase, belongs to the cytochrome P450 family. CYP46A1 is a central nervous system-specific enzyme, and can freely cross the blood-brain barrier and be degraded in the liver. It is involved in the turnover of cholesterol. It converts cholesterol into 24S-hydroxycholesterol and, to a lesser extent, 25-hydroxycholesterol. CYP46A1 is significantly upregulated in hepatic lymphomyeloid cells compared with ESCs. (PMID:20039312)

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

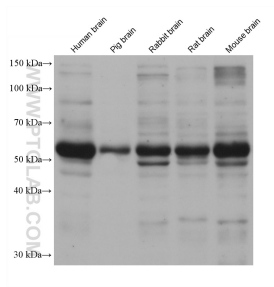
T: 4006900926

E: Proteintech-CN@ptglab.com

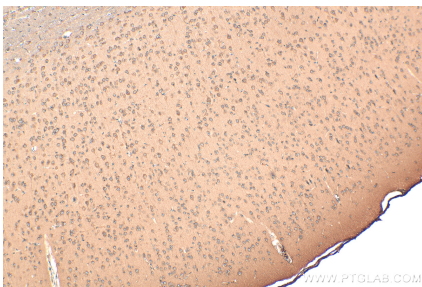
W: ptgcn.com

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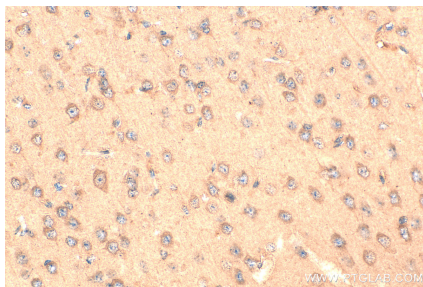
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68576-1-Ig (CYP46A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68576-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68576-1-Ig (CYP46A1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68576-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68576-1-Ig (CYP46A1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68576-1-PBS in a different storage buffer formulation.