

For Research Use Only

ELOVL4 Polyclonal antibody, PBS Only

Catalog Number: 55023-1-PBS

Featured Product



Basic Information

Catalog Number:

55023-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_022726

GeneID (NCBI):

6785

UNIPROT ID:

Q9GZR5

Full Name:

elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4

Calculated MW:

37 kDa

Observed MW:

37-40 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

ELOVL4, also named as ADMD, STGD2 and STGD3, belongs to the ELO family. It is a component of the fatty acid elongation system. Elov4 is involved in the biosynthesis of very long chain fatty acids. It seems to represent a photoreceptor-specific component of the fatty acid elongation system residing on the endoplasmic reticulum. ELOVL4 may be implicated in docosahexaenoic acid (DHA) biosynthesis, which requires dietary consumption of the essential alpha-linolenic acid and a subsequent series of three elongation steps. Defects in ELOVL4 are the cause of Stargardt disease type 3 (STGD3). The antibody is specific to ELOVL4.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

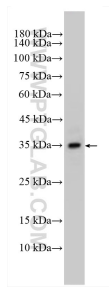
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

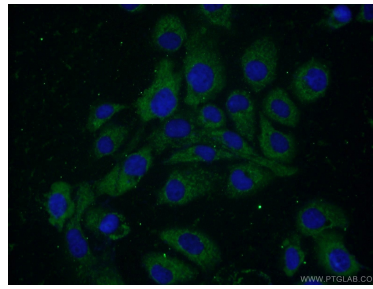
E: proteintech@ptglab.com
W: ptglab.com

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

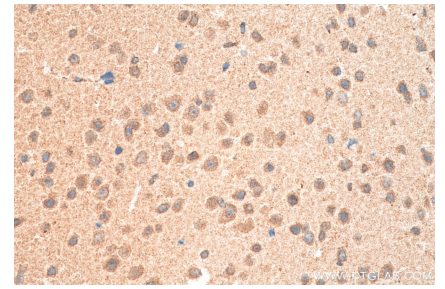
Selected Validation Data



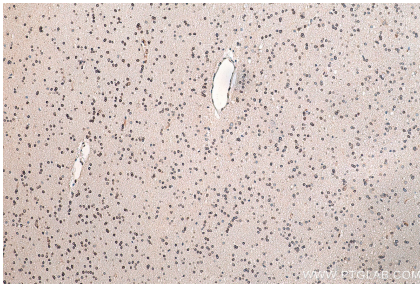
Neuro-2a cells were subjected to SDS PAGE followed by western blot with 55023-1-AP (ELOVL4 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55023-1-PBS in a different storage buffer formulation.



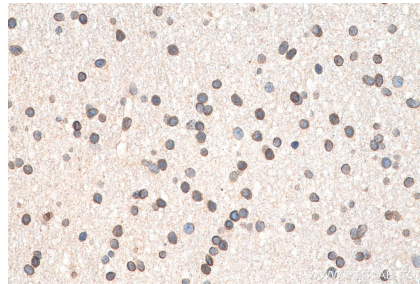
Immunofluorescent analysis of A431 cells using 55023-1-AP (ELOVL4 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 55023-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55023-1-AP (ELOVL4 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 55023-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 55023-1-AP (ELOVL4 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 55023-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 55023-1-AP (ELOVL4 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 55023-1-PBS in a different storage buffer formulation.