

Allgemeine Informationen

Katalog-Nr.: 55023-1-AP	GenBank-Zugangsnummer: NM_022726	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 550 µg/ml von Nanodrop und 400 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 6785	Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:10-1:100
Wirt: Kaninchen	Vollständiger Name: elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4	
Isotyp: IgG	Berechnete Masse: 37 kDa	
	Beobachtete Masse: 37-40 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, WB, ELISA	Positivkontrollen: WB : Y79-Zellen, A431-Zellen, Maushirngewebe
In Publikationen genannte Anwendungen: IHC, WB	IHC : humanes Dünndarmgewebe, humanes Gliomgewebe
Getestete Reaktivität: Human, Maus, Ratte	IF : A431-Zellen,
Zitierte Arten: Human, Maus, Ratte	
Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

ELOVL4, also named as ADMD, STGD2 and STGD3, belongs to the ELO family. It is a component of the fatty acid elongation system. Elovl4 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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Nesli-Ece Sen	31766565	Int J Mol Sci	WB
Yanyan Shi	36348469	Chin Med	WB
Peng Zhang	35353124	Invest Ophthalmol Vis Sci	WB

Lagerung

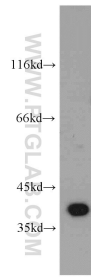
Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

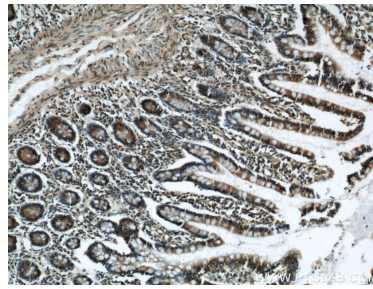
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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

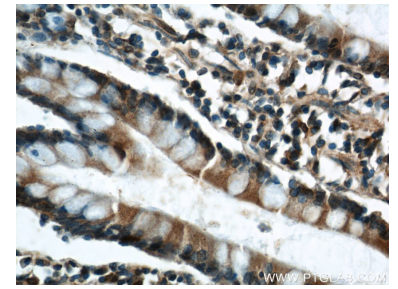
Ausgewählte Validierungsdaten



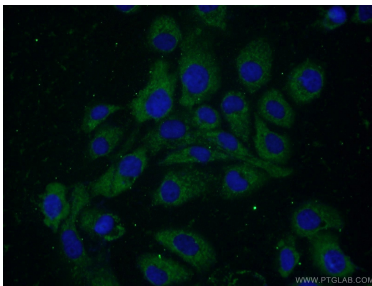
Y79 cells were subjected to SDS PAGE followed by western blot with 55023-1-AP (ELOVL4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



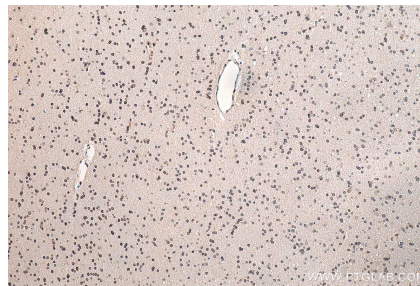
Immunohistochemical analysis of paraffin-embedded human small intestine using 55023-1-AP (ELOVL4 antibody) at dilution of 1:50 (under 10x lens).



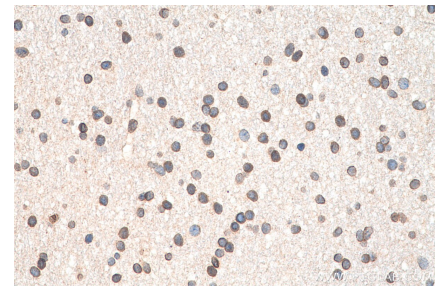
Immunohistochemical analysis of paraffin-embedded human small intestine using 55023-1-AP (ELOVL4 antibody) at dilution of 1:50 (under 40x lens).



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).



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).



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).