

ELOVL4 Rabbit pAb

Catalog No.: A3639

Basic Information

Observed MW

37kDa/

Calculated MW

37kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a membrane-bound protein which is a member of the ELO family, proteins which participate in the biosynthesis of fatty acids. Consistent with the expression of the encoded protein in photoreceptor cells of the retina, mutations and small deletions in this gene are associated with Stargardt-like macular dystrophy (STGD3) and autosomal dominant Stargardt-like macular dystrophy (ADMD), also referred to as autosomal dominant atrophic macular degeneration.

Recommended Dilutions

WB	1:100 - 1:500
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
6785	Q9GZR5

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ELOVL4 (NP_073563.1).

Synonyms

ADMD; CT118; ISQMR; SCA34; STGD2; STGD3; ELOVL4

Contact

 | www.abclonal.com

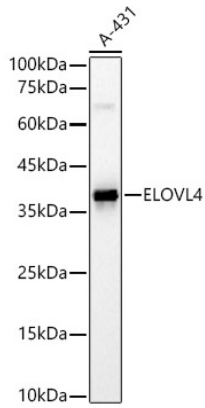
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

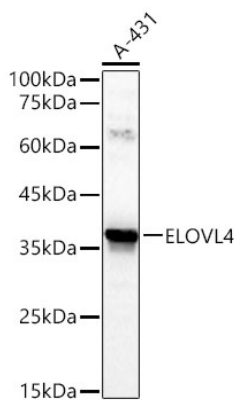
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

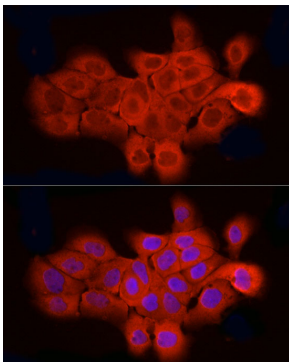
Validation Data



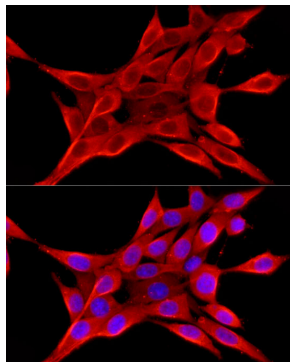
Western blot analysis of lysates from A-431 cells, using ELOVL4 Rabbit pAb (A3639) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



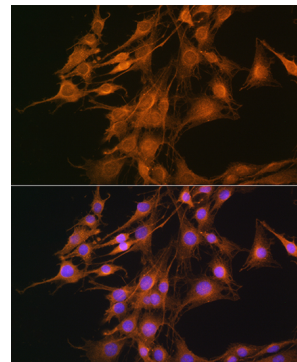
Western blot analysis of lysates from A-431 cells using ELOVL4 Rabbit pAb(A3639) at 1:600 dilution. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection:ECL Basic Kit (RM00020). Exposuretime:30s.



Immunofluorescence analysis of A-431 cells using ELOVL4 Rabbit pAb (A3639) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

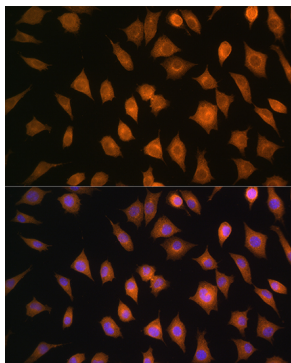


Immunofluorescence analysis of NIH/3T3 cells using ELOVL4 Rabbit pAb (A3639) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using ELOVL4 Rabbit pAb (A3639) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Validation Data



Immunofluorescence analysis of L929 cells using ELOVL4 Rabbit pAb (A3639) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.