

# Anti-ELOVL Fatty Acid Elongase 7 [Z26]

**Catalogue number:** 152763

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Ayham Alnabulsi

**Institute:** Vertebrate Antibodies Limited

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-ELOVL Fatty Acid Elongase 7 [Z26]

**Alternate name:** Elongation of very long chain fatty acids protein 7, 3-keto acyl-CoA synthase ELOVL7, ELOVL fatty acid elongase 7, ELOVL FA elongase, Very long chain 3-ketoacyl-CoA synthase 7, Very long chain 3-oxoacyl-CoA synthase 7

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** ELOVL Fatty Acid Elongase 7 (ELOVL7) is a condensing enzyme that catalyzes the synthesis of saturated and polyunsaturated very long chain fatty acids. Highest activity toward C18 acyl-CoAs, especially C18:3(n-3) acyl-CoAs. Belongs to the ELO family of proteins which are eukaryotic integral membrane proteins involved in fatty acid elongation. Expressed in most tissues except heart and skeletal muscle. Localised to the endoplasmic reticulum membrane. Biological process keywords: Fatty acid biosynthesis, Fatty acid metabolism, Lipid biosynthesis, Lipid metabolism.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Peptide Sequence RAYTKGQRLP (peptide immunogen is identical in rat (*Rattus norvegicus*), mouse (*Mus musculus*), cow (*Bos taurus*), dog (*Canis familiaris*), horse (*Equus caballus*))

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** Jurkat cell lysate

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** ELOVL Fatty Acid Elongase 7 (ELOVL7)

**Target alternate names:**

**Target background:** ELOVL Fatty Acid Elongase 7 (ELOVL7) is a condensing enzyme that catalyzes the synthesis of saturated and polyunsaturated very long chain fatty acids. Highest activity toward C18 acyl-CoAs, especially C18:3(n-3) acyl-CoAs. Belongs to the ELO family of proteins which are eukaryotic integral membrane proteins involved in fatty acid elongation. Expressed in most tissues except heart and skeletal muscle. Localised to the endoplasmic reticulum membrane. Biological process keywords: Fatty acid biosynthesis, Fatty acid metabolism, Lipid biosynthesis, Lipid metabolism.

**Molecular weight:** 35 kDa

**Ic50:**

## Applications

**Application:** ELISA ; IHC ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

Related tools:

## References

References:

CancerTools.org