

**ELOVL1 (F139) polyclonal antibody**

Catalog: BCP00714

Host: Rabbit

Reactivity: Human,Mouse,Rat

**BackGround:**

Elongation of very long chain fatty acid-like (ELOVL) proteins 1-6 are members of the ELO family of proteins, which play an important role in tissue-specific biosynthesis of very long chain fatty acids and sphingolipids. The ELOVL proteins act as catalysts in fatty acid elongation reduction and localize to the endoplasmic reticulum (ER). Elongation of very long chain fatty acids protein 1 (ELOVL1), also referred to as Ssc1, is the human homolog of the yeast ELO3 protein. It is expressed in a variety of tissues and at especially high levels in stomach, skin, intestine, kidney and lung. ELOVL1 participates in the elongation of very long chain saturated and monounsaturated fatty acids of up to 26 carbons and may be required for the development of a barrier in epithelial cells and skin. ELOVL1 is also important for the formation of Myelin in the central nervous system. Impaired ELOVL1 activity may be associated with disorders of sphingolipid metabolism.

**Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

~ 45 kDa

**Swiss-Prot:**

Q9BW60

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

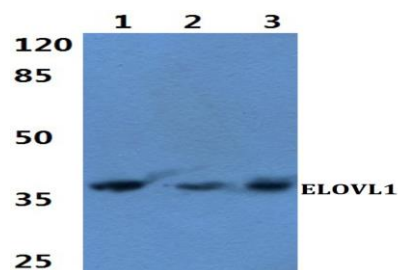
WB: 1:500~1:1000

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

ELOVL1 (F139) polyclonal antibody detects endogenous levels of ELOVL1 protein.

**DATA:**

Western blot (WB) analysis of ELOVL1 (F139) pAb at 1:500 dilution

Lane1:MCF-7 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:Hela whole cell lysate(40ug)

Lane4:The Kidney tissue lysate of Mouse(40ug)

Lane5:The Kidney tissue lysate of Rat(40ug)

**Note:**

For research use only, not for use in diagnostic procedure.