

# ELOVL5 Rabbit mAb

Catalog # AP74814

## Product Information

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<b>Application</b>	WB, FC
<b>Primary Accession</b>	<a href="#">Q9NYP7</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	35 KDa

## Additional Information

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<b>Other Names</b>	ELOVL5
<b>Dilution</b>	WB~~1:500-1:1000 FC~~1:20-1:50
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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### Background

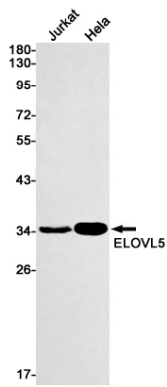
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Very long-chain fatty acid elongase 5 (ELOVL5) is a key enzyme for the endogenous synthesis of long-chain unsaturated fatty acids. A critical role of ELOVL5 in elongating fatty acid substrates ranging from 16 to 20 carbons was reported in humans and rodents (PMID: 29454701). ELOVL5 is involved in metastasis through lipid droplets-regulated TGF- $\beta$  receptor expression and is a predictive biomarker of metastatic ER+ breast cancer (PMID: 36056008). Western blot analysis detected ELOVL51 at an apparent molecular mass of ~25 kDa (PMID: 36056008, 32527375).

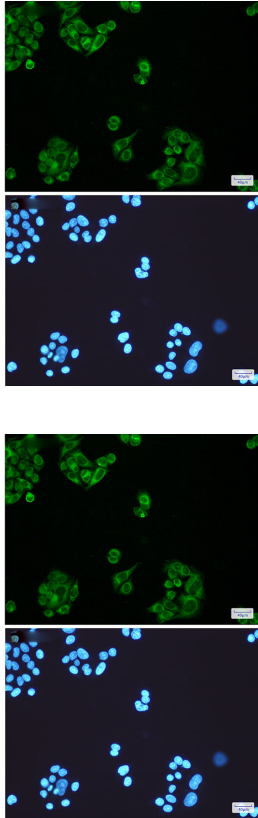
### Images

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Western blot analysis of ELOVL5 in Jurkat, Hela lysates using ELOVL5 antibody.



Immunocytochemistry analysis of ELOVL5(green) in HeLa using ELOVL5 antibody, and DAPI(blue)



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