

## FADS3 rabbit pAb

<b>Catalog No :</b>	YT6858
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	FADS3
<b>Gene Name :</b>	FADS3 CYB5RP
<b>Protein Name :</b>	FADS3
<b>Human Gene Id :</b>	3995
<b>Human Swiss Prot No :</b>	Q9Y5Q0
<b>Mouse Gene Id :</b>	60527
<b>Mouse Swiss Prot No :</b>	Q9JJE7
<b>Rat Gene Id :</b>	286922
<b>Rat Swiss Prot No :</b>	Q8K1P9
<b>Immunogen :</b>	Synthesized peptide derived from human FADS3 AA range: 60-110
<b>Specificity :</b>	This antibody detects endogenous levels of FADS3 at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 49kD

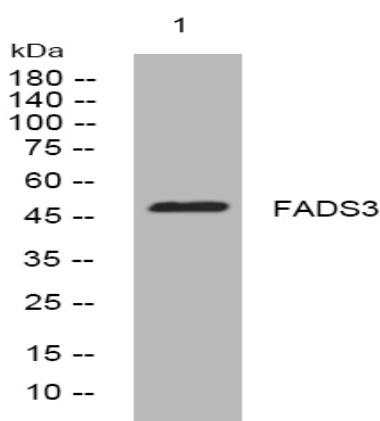
**Background :** The protein encoded by this gene is a member of the fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS family members are considered fusion products composed of an N-terminal cytochrome b5-like domain and a C-terminal multiple membrane-spanning desaturase portion, both of which are characterized by conserved histidine motifs. This gene is clustered with family members FADS1 and FADS2 at 11q12-q13.1; this cluster is thought to have arisen evolutionarily from gene duplication based on its similar exon/intron organization. [provided by RefSeq, Jul 2008],

**Function :** domain:The histidine box domains may contain the active site and/or be involved in metal ion binding.,similarity:Belongs to the fatty acid desaturase family.,similarity:Contains 1 cytochrome b5 heme-binding domain.,tissue specificity:Has been found in heart, liver, lung, uterus, and brainstem.,

**Subcellular Location :** Endoplasmic reticulum membrane ; Multi-pass membrane protein .

**Expression :** Highly expressed in various organs and tissues including liver, kidney, brain, lung, pancreas, testis, ovary and skeletal muscle (at protein level).

## Products Images



Western blot analysis of lysates from VEC cells, primary antibody was diluted at 1:1000, 4° over night