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## anti-FADS1 antibody

3 Images



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Quantity:	200 μL	
Target:	FADS1	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This FADS1 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)	

#### **Product Details**

Immunogen:	Recombinant protein of human FADS1	
Isotype:	IgG	
Characteristics:	Polyclonal Antibody	
Purification:	Affinity purification	

### **Target Details**

Target:	FADS1	
Alternative Name:	FADS1 (FADS1 Products)	
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	

#### **Target Details**

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.

Molecular Weight: 52 kDa

UniProt: 060427

Pathways: Regulation of Lipid Metabolism by PPARalpha

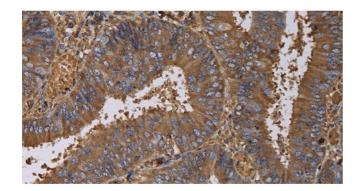
#### **Application Details**

Application Notes: WB 1:500-1:2000, IHC 1:100-1:300

Restrictions: For Research Use only

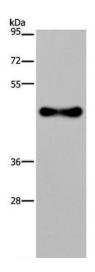
#### Handling

Format:	Liquid
Concentration:	0.4 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



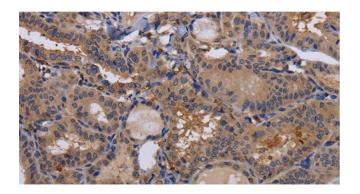
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human colon cancer using FADS1 Polyclonal Antibody at dilution of 1:60



#### **Western Blotting**

**Image 2.** Western Blot analysis of Human fetal brain tissue using FADS1 Polyclonal Antibody at dilution of 1:300



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** Immunohistochemistry of paraffin-embedded Human thyroid cancer using FADS1 Polyclonal Antibody at dilution of 1:60