

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 10627-1-AP	<b>GenBank-Zugangsnummer:</b> BC007846	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 500 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 3992	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:20-1:400
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> fatty acid desaturase 1	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 52 kDa	
<b>Immunogen Katalognummer:</b> AG0978	<b>Beobachtete Masse:</b> 52 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

IHC, WB

### Getestete Reaktivität:

Human, Maus

### Zitierte Arten:

Human, Maus

### Positivkontrollen:

**WB** : LO2-Zellen, HeLa-Zellen, Jurkat-Zellen, Mauslebergewebe

**IHC** : humanes Kolonkarzinomgewebe, humanes Endometriumkarzinomgewebe, humanes Lungenkarzinomgewebe

**IF** : SH-SY5Y-Zellen,

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

FADS1, also known as Delta-5 desaturase or D5D, is a 444 amino acid protein that belongs to 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. FADS1 is a key enzyme in polyunsaturated fatty acid (PUFA) metabolism that catalyze the conversion of linoleic acid (LA) into arachidonic acid (AA) and that of alpha-linolenic acid (ALA) into eicosapentaenoic acid (EPA).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Fangdong Jiao	32982427	Cancer Manag Res	WB
Haiqing Luo	34486791	Stem Cells	IHC
Dong Wang	27390597	J Cancer	IHC

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

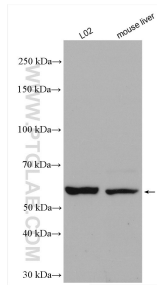
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

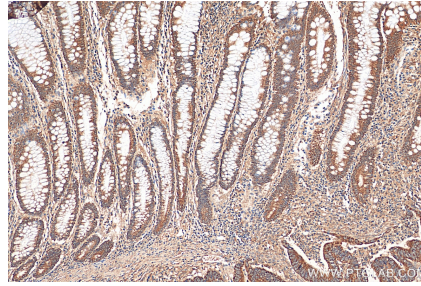
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

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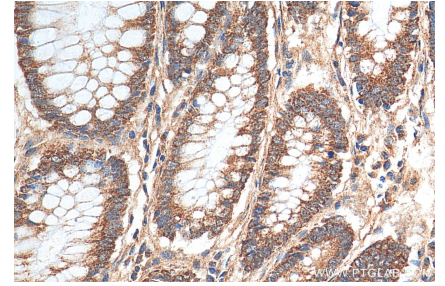
## Ausgewählte Validierungsdaten



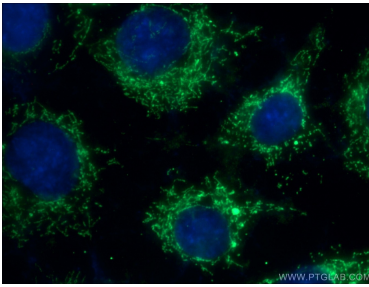
Various lysates were subjected to SDS PAGE followed by western blot with 10627-1-AP (FADS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10627-1-AP (FADS1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10627-1-AP (FADS1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using 10627-1-AP (FADS1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).