

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 68026-1-Ig	<b>GenBank-Zugangsnummer:</b> BC009011	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul , Konzentration: 1000 µg/ml von9415 Nanodrop;	<b>GeneID (NCBI):</b> fatty acid desaturase 2	<b>CloneNo.:</b> 1G4B10
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> fatty acid desaturase 2	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000
<b>Isotyp:</b> IgG2b	<b>Berechnete Masse:</b> 445 aa, 49 kDa	
<b>Immunogen Katalognummer:</b> AG27715	<b>Beobachtete Masse:</b> 42-45 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : PC-3-Zellen, A549-Zellen, Jurkat-Zellen, LNCaP-Zellen, Rattenlebergewebe, U2OS-Zellen IHC : Mauslebergewebe,
<b>In Publikationen genannte Anwendungen:</b> IHC	
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	
<b>Zitierte Arten:</b> Human	
<b>Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

Fatty acid desaturase 2 (FADS2) is responsible for the first desaturation reaction in the synthesis of highly unsaturated fatty acids (HUFAs), such as arachidonic acid (20:4n-6) and eicosapentaenoic acid (20:5n-3), and is involved in Mead acid (20:3n-9) production during essential fatty acid deficiency (EFAD) (PMID: 29353041). This is important when temperatures changes and the membrane is under distress. It has 4 isoforms produced by alternative splicing.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Feng Zhang	36911415	Front Genet	IHC

## Lagerung

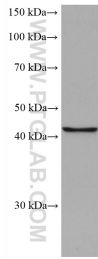
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

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

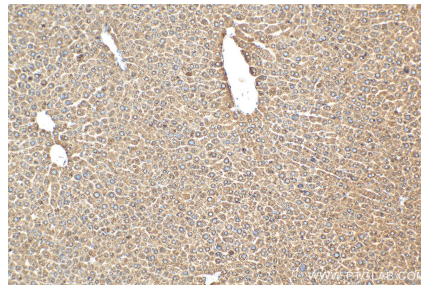
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

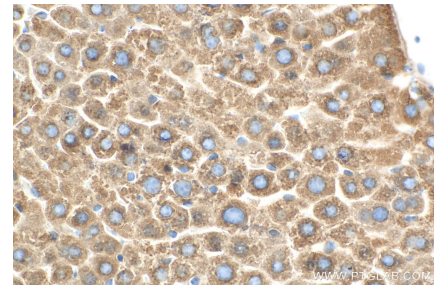
## Ausgewählte Validierungsdaten



PC-3 cells were subjected to SDS PAGE followed by western blot with 68026-1-Ig (FADS2-Specific antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68026-1-Ig (FADS2-Specific antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68026-1-Ig (FADS2-Specific antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).