

## FADS1 Polyclonal Antibody

Catalog number: 10627-1-AP

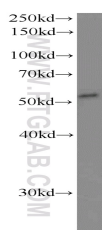
Size: 40 µg/150 µl

Source: Rabbit

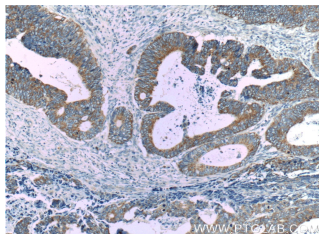
Isotype: IgG

Synonyms:

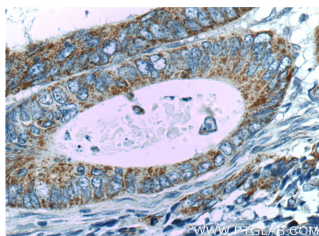
FADS1; D5D, Delta(5)  
desaturase, Delta(5) fatty acid  
desaturase, FADS1, FADS6,  
FADSD5, fatty acid desaturase  
1, FLJ38956, FLJ90273, LLCDL1,  
TU12



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10627-1-AP(FADS1 antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human colon cancer tissue slide using 10627-1-AP( FADS1 Antibody) at dilution of 1:200 (under 10x lens)



Immunohistochemistry of paraffin-embedded human colon cancer tissue slide using 10627-1-AP( FADS1 Antibody) at dilution of 1:200 (under 40x lens)

### Background

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).

### Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Mouse
Calculated FADS1 MW:	52 kDa
Observed FADS1 MW:	52 kDa
Positive WB detected in	Mouse brain tissue
Positive IHC detected in	Human colon cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0978
GenBank accession number:	BC007846
Gene ID (NCBI):	3992
Full name:	Fatty acid desaturase 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.