

FADS1 antibody

Product Information

Catalog No.:	FNab02943
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Isoform 2 does not exhibit any catalytic activity toward 20:3n-6, but it may enhance FADS2 activity(By similarity). Isoform 1 is a component of a lipid metabolic pathway that catalyzes biosynthesis of highly unsaturated fatty acids(HUFA) from precursor essential polyunsaturated fatty acids(PUFA) linoleic acid(LA)(18:2n-6) and alpha-linolenic acid(ALA)(18:3n-3). Catalyzes the desaturation of dihomo-gamma-linoleic acid(DHGLA)(20:3n-6) and eicosatetraenoic acid(20:4n-3) to generate arachidonic acid(AA)(20:4n-6) and eicosapentaenoic acid(EPA)(20:5n-3), respectively.

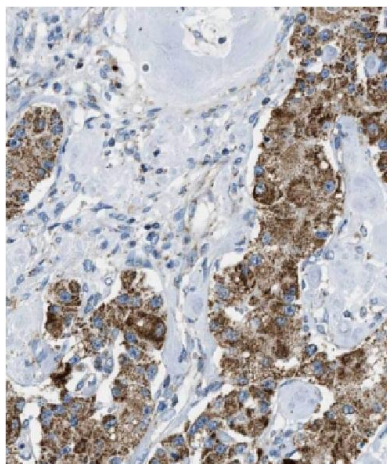
Immunogen information

Immunogen:	fatty acid desaturase 1
Synonyms:	Acyl-CoA (8-3)-desaturase Delta(5) fatty acid desaturase (D5D, Delta(5) desaturase, Delta-5 desaturase) Fatty acid desaturase 1 FADS1 FADSD5
Observed MW:	52 kDa
Uniprot ID :	O60427

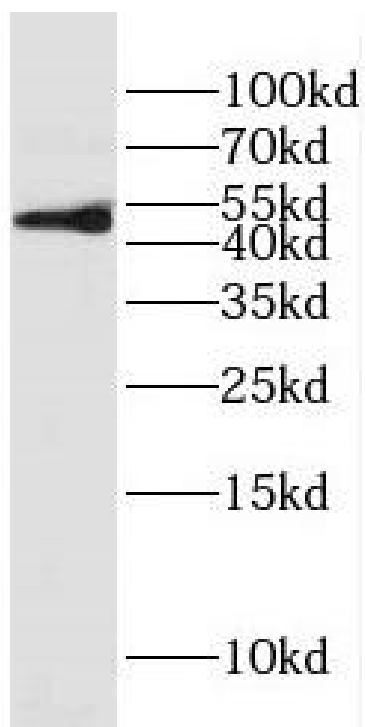
Application

Reactivity:	Human, Mouse
Tested Application:	ELISA, WB, IHC
Recommended dilution:	WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human colon cancer tissue slide using FNab02943(FADS1 Antibody) at dilution of 1:200



mouse brain tissue were subjected to SDS PAGE followed by western blot with FNab02943(FADS1 antibody) at dilution of 1:1000