

FADS2 Antibody

Catalog_no :	AB3722
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN
Specificity :	This FADS2 antibody is generated from a rabbit immunized with a recombinant protein of human FADS2.
Dilution :	FC,1:25;WB,1:2000;
Other_name :	Fatty acid desaturase 2, 1.14.19.-, Delta(6) fatty acid desaturase, D6D, Delta(6) desaturase, Delta-6 desaturase, FADS2
Isotype :	Rabbit Ig
Background :	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 first and rate limiting step in this pathway which is the desaturation of LA (18:2n-6) and ALA (18:3n-3) into gamma- linoleic acid (GLA) (18:3n-6) and stearidonic acid (18:4n-3) respectively and other desaturation steps. Highly unsaturated fatty acids (HUFA) play pivotal roles in many biological functions. It catalyzes as well the introduction of a cis double bond in palmitate to produce the mono-unsaturated fatty acid sapienate, the most abundant fatty acid in sebum.
reference :	Cho H.P.,et al.J. Biol. Chem. 274:471-477(1999). Marquardt A.,et al.Genomics 66:175-183(2000). Zhang J.S.S.,et al.Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004). Otsuki T.,et al.DNA Res. 12:117-126(20