

FASN / Fatty Acid Synthase Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS13198**Specification**

FASN / Fatty Acid Synthase Antibody (Internal) - Product Information

Application	IHC
Primary Accession	P49327
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	273kDa KDa

FASN / Fatty Acid Synthase Antibody (Internal) - Additional Information**Gene ID** 2194**Other Names**

Fatty acid synthase, 2.3.1.85, [Acyl-carrier-protein] S-acetyltransferase, 2.3.1.38, [Acyl-carrier-protein] S-malonyltransferase, 2.3.1.39, 3-oxoacyl-[acyl-carrier-protein] synthase, 2.3.1.41, 3-oxoacyl-[acyl-carrier-protein] reductase, 1.1.1.100, 3-hydroxyacyl-[acyl-carrier-protein] dehydratase, 4.2.1.59, Enoyl-[acyl-carrier-protein] reductase, 1.3.1.39, Oleoyl-[acyl-carrier-protein] hydrolase, 3.1.2.14, FASN, FAS

Target/Specificity

Human FASN / Fatty Acid Synthase.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

FASN / Fatty Acid Synthase Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

FASN / Fatty Acid Synthase Antibody (Internal) - Protein Information**Name** FASN**Synonyms** FAS**Function**

Fatty acid synthetase is a multifunctional enzyme that catalyzes the de novo biosynthesis of long-chain saturated fatty acids starting from acetyl-CoA and malonyl-CoA in the presence of NADPH. This multifunctional protein contains 7 catalytic activities and a site for the binding of the prosthetic group 4'-phosphopantetheine of the acyl carrier protein ([ACP]) domain.

Cellular Location

Cytoplasm. Melanosome. Note=Identified by mass spectrometry in melanosome fractions from

stage I to stage IV

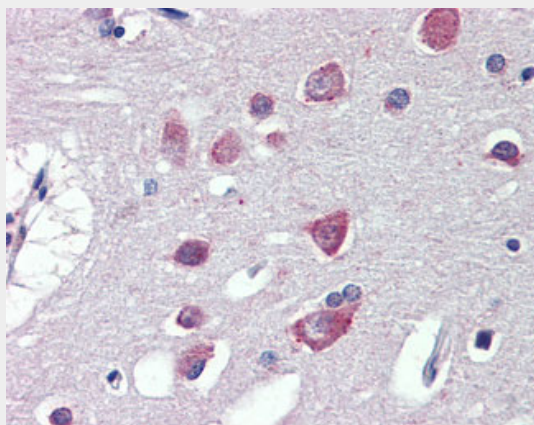
Tissue Location

Ubiquitous. Prominent expression in brain, lung, liver and mammary gland.

FASN / Fatty Acid Synthase Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FASN / Fatty Acid Synthase Antibody (Internal) - Images

Anti-Fatty Acid Synthase antibody IHC of human brain, cortex.

FASN / Fatty Acid Synthase Antibody (Internal) - Background

Fatty acid synthetase catalyzes the formation of long- chain fatty acids from acetyl-CoA, malonyl-CoA and NADPH. This multifunctional protein has 7 catalytic activities and an acyl carrier protein.

FASN / Fatty Acid Synthase Antibody (Internal) - References

Jayakumar A.,et al.Proc. Natl. Acad. Sci. U.S.A. 92:8695-8699(1995).
Hennigar R.A.,et al.Submitted (JUN-1995) to the EMBL/GenBank/DDBJ databases.
Mao J.,et al.Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
Nakajima D.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Zody M.C.,et al.Nature 440:1045-1049(2006).