

## FASN antibody

Catalog No: #38133

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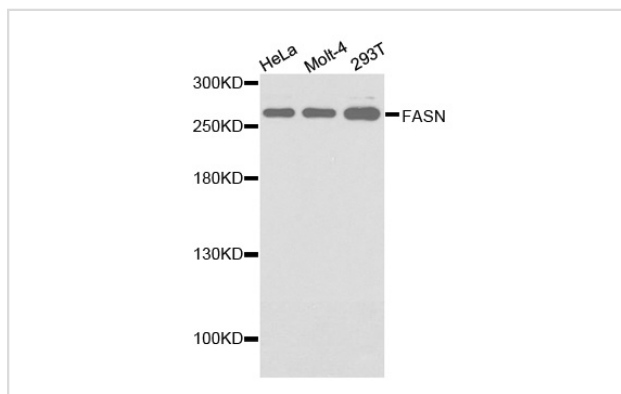
## Description

Product Name	FASN antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total FASN antibody.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human FASN.
Target Name	FASN
Other Names	FASN;FAS;MGC14367;MGC15706;OA-519;SDR27X1;
Accession No.	Swiss-Prot#: P49327NCBI Gene ID: 2194
SDS-PAGE MW	272kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: □ 1:500 - 1:2000

## Images



Western blot analysis of extracts of various cell lines, using FASN antibody.

## Background

Fatty acid synthase (FASN) catalyzes the synthesis of long-chain fatty acids from acetyl-CoA and malonyl-CoA. FASN is active as a homodimer with seven different catalytic activities and produces lipids in the liver for export to metabolically active tissues or storage in adipose tissue. In most other human tissues, FASN is minimally expressed since they rely on circulating fatty acids for new structural lipid synthesis (1). Recently, increased expression of FASN has emerged as a phenotype common to most human carcinomas. In breast cancer, immunohistochemical staining showed that

the levels of FASN are directly related to the size of breast tumors (2). Studies also showed that FASN is highly expressed in lung and prostate cancers and that FASN expression is an indicator of poor prognosis in breast and prostate cancer (3-5). Furthermore, inhibition of FASN is selectively cytotoxic to human cancer cells (5). Thus, increased interest has focused on FASN as a potential target for the diagnosis and treatment of cancer as well as metabolic syndrome (6,7).

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.