

Anti-Fatty Acid Synthase/FASN Antibody Picoband® FITC Conjugated

Catalog Number: PB9865-FITC

About FASN

Fatty acid synthase (FAS) is an enzyme that in humans is encoded by the FASN gene. It is mapped to 17q25. The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell lines, this protein has been found to be fused with estrogen receptor-alpha (ER-alpha), in which the N-terminus of FAS is fused in-frame with the C-terminus of ER-alpha.

Overview

Product Name	Anti-Fatty Acid Synthase/FASN Antibody Picoband® FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P49327

Technical Details

Immunogen	E. coli-derived human FASN recombinant protein (Position: M1-E226). Human FASN shares 90.3% and 90.7% amino acid (aa) sequence identity with mouse and rat FASN, respectively.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: 10.1002/cbin.11490, Fat mass and obesity-associated protein regulates lipogenesis via m6A modification in fatty acid synthase mRNA

2. PubMed ID: 28443464, Lu C, Ma J, Cai D. Tumour Biol. 2017 Apr;39(4):1010428317697574. doi: 10.1177/1010428317697574. Increased HAGLR expression promotes non-small cell lung cancer proliferation and invasion via enhanced de novo lipogenesis.

Visit bosterbio.com/anti-fasn-picoband-trade-antibody-pb9865-boster.html to see all 2 publications.

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