

## Anti-Fatty Acid Synthase/FASN Antibody Picoband® HRP Conjugated

Catalog Number: PB9865-HRP

### 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® HRP Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
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	HRP
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users. ELISA, 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](http://bosterbio.com/anti-fasn-picoband-trade-antibody-pb9865-boster.html) to see all 2 publications.

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