

Anti-Fatty Acid Synthase/FASN Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9865-Fluoro488

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

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| Product Name | Anti-Fatty Acid Synthase/FASN Antibody Picoband® Fluoro488 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

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| 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 | Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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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