

FASN Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E. coli-derived human FASN recombinant protein (Position: M1-E226).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide
Storage conditions	-20°C
RRID	AB_2746354

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Immunocytochemistry (ICC/IF)	0.5-1 µg/mL	-

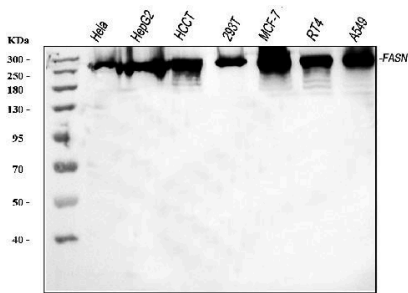
Product Specific Information

Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For FASN Polyclonal Antibody

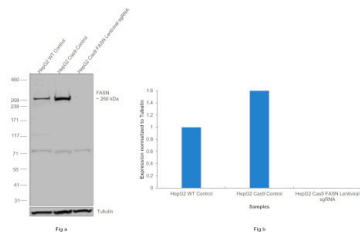
FASN Antibody (PA5-79238) in WB

Western blot analysis of FASN in, Lane 1: human Hela whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human hepatocellular carcinoma tumor tissue (HCCT) lysates, Lane 4: human 293T whole cell lysates, Lane 5: human MCF-7 whole cell lysates, Lane 6: human RT4 whole cell lysates, Lane 7: human A549 whole cell lysates. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 µg of sample under reducing conditions. After Electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. The membrane was blocked with 5% non-fat milk /TBS for 1.5 hour at RT. The membrane was incubated with FASN Polyclonal Antibody (Product # PA5-79238) at 0.5 g/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5,000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit. A specific band was detected for FASN at approximately 270 kDa. The expected band size for FASN is at 273 kDa.



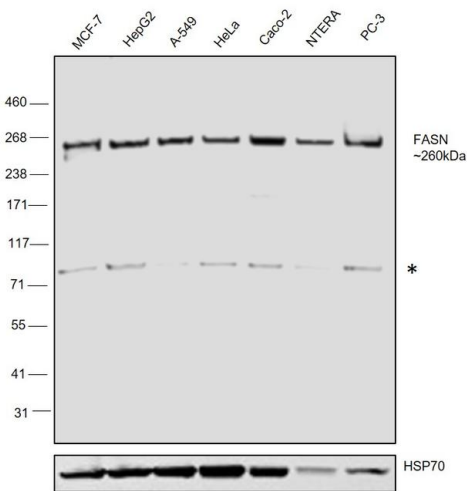
FASN Antibody (PA5-79238)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in HepG2 Cas9 cell line transduced with FASN Lentiviral sgRNA compared to control cell line using Anti-FASN Polyclonal Antibody (Product # PA5-79238). {KO}



FASN Antibody (PA5-79238) in WB

Western blot was performed using Anti-FASN Polyclonal Antibody (Product # PA5-79238) and a ~260 kDa band corresponding to FASN was observed across cell lines tested. Whole cell extracts (30 µg lysate) of MCF7 (Lane 1), Hep G2 (Lane 2), A549 (Lane 3), HeLa (Lane 4), Caco-2 (Lane 5), NTERA-2 cl.D1 (Lane 6), PC-3 (Lane 7) were electrophoresed using NuPAGE™ 3-8% Tris-Acetate Protein Gel (Product # EA0378BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (0.5 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). A non specific band was observed around 110 kDa



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