


Product datasheet

HRP Anti-Fatty Acid Synthase antibody [EPR7466] ab196854

KO VALIDATED Recombinant RabMAb

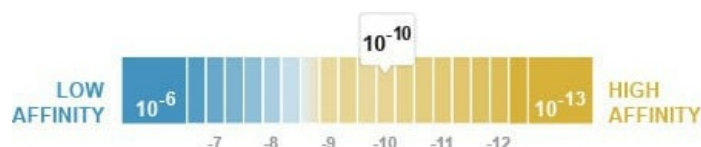
[3 References](#) [3 Images](#)

Overview

Product name	HRP Anti-Fatty Acid Synthase antibody [EPR7466]
Description	HRP Rabbit monoclonal [EPR7466] to Fatty Acid Synthase
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, HEK293 and A549 whole cell lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Dissociation constant (K _D)	K _D = 1.34 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7466
Isotype	IgG

Applications

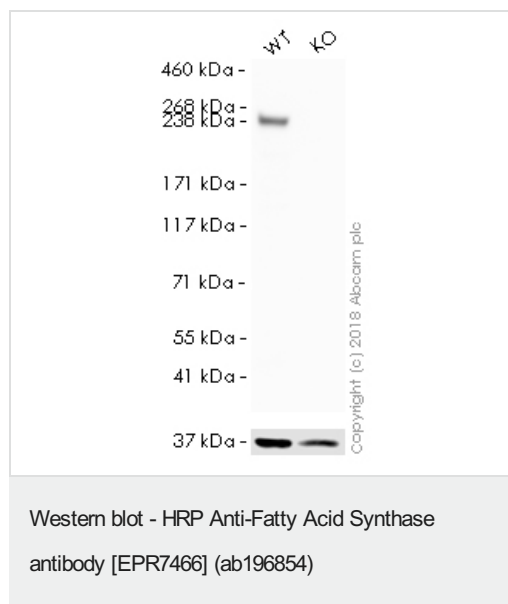
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab196854 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/5000. Detects a band of approximately 273 kDa (predicted molecular weight: 273 kDa).

Target

Function	Fatty acid synthetase catalyzes the formation of long-chain fatty acids from acetyl-CoA, malonyl-CoA and NADPH. This multifunctional protein has 7 catalytic activities and an acyl carrier protein.
Tissue specificity	Ubiquitous. Prominent expression in brain, lung, and liver.
Sequence similarities	Contains 1 acyl carrier domain.
Cellular localization	Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



All lanes : HRP Anti-Fatty Acid Synthase antibody [EPR7466] (ab196854) at 1/5000 dilution

Lane 1 : Wild-type HAP1 whole cell lysate

Lane 2 : FASN (Fatty Acid Synthase) knockout HAP1 whole cell lysate

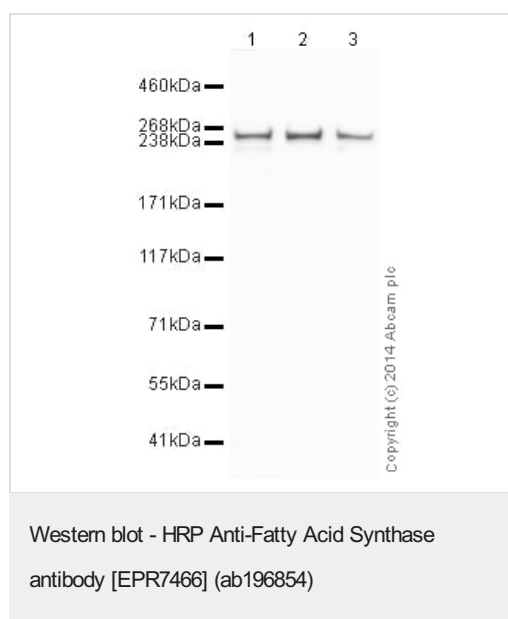
Lysates/proteins at 20 µg per lane.

Predicted band size: 273 kDa

Observed band size: 260 kDa

Exposure time: 1 minute

ab196854 was shown to specifically react with Fatty Acid Synthase in wild-type HAP1 cells as signal was lost in FASN (Fatty Acid Synthase) knockout cells. Wild-type and FASN (Fatty Acid Synthase) knockout samples were subjected to SDS-PAGE. Ab196854 and **ab184095** (Mouse monoclonal [mAbcam 9484] to GAPDH - Loading Control (Alexa Fluor® 680) loading control) were incubated overnight at 4°C at 1/5000 dilution and 1/1000 dilution respectively. The loading control was imaged using the Licor Odyssey CLx prior to blots being developed with ECL technique.



All lanes : HRP Anti-Fatty Acid Synthase antibody [EPR7466] (ab196854) at 1/5000 dilution

Lane 1 : HeLa whole cell lysate (**ab150035**)

Lane 2 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 3 : A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.





Predicted band size: 273 kDa

Observed band size: 273 kDa

Exposure time: 8 minutes

This blot was produced using a 3-8% Tris Acetate gel under the TA buffer system. The gel was run at 150V for 60 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab196854 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

HRP Anti-Fatty Acid Synthase antibody [EPR7466]
(ab196854)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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