

## Anti-FASN Antibody (6U56)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6U56
Purification:	Affinity-chromatography

## Applications

Verified Activity:	<p>1. Immunofluorescence staining of Hela Cells with TMAH-00420 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).</p> <p>2. Overlay histogram showing A549 cells stained with TMAH-00420 (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (<math>1\mu\text{g}/1*10^6</math> cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30min at 4°C. Control antibody (green line) was Rabbit IgG (<math>1\mu\text{g}/1*10^6</math> cells) used under the same conditions. Acquisition of &gt;10,000 events was performed.</p>
Application:	ELISA, IF, FCM
Recommended	IF:1:20-1:200; FCM:1:20-1:200.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: Human FASN
Antigen Species:	Human
Gene ID:	2194
Uniprot ID:	P49327
Synonyms:	FAS;OA-519;SDR27X1;fatty acid synthase
Biology Area:	Neuroscience, Cancer, Cardiovascular, Metabolism, Signal transduction

## Research Background

Fatty acid synthetase is a multifunctional enzyme that catalyzes the de novo biosynthesis of long-chain saturated fatty acids starting from acetyl-CoA and malonyl-CoA in the presence of NADPH. This multifunctional protein contains 7 catalytic activities and a site for the binding of the prosthetic group 4'-phosphopantetheine of the acyl carrier protein ([ACP]) domain.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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