

ARG55884 anti-Fatty Acid Synthase antibody

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes Fatty Acid Synthase |
| Tested Reactivity | Hu |
| Tested Application | FACS, ICC/IF, IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | Fatty Acid Synthase |
| Species | Human |
| Immunogen | KLH-conjugated synthetic peptide corresponding to aa. 942-973 (Center) of Human Fatty Acid Synthase. |
| Conjugation | Un-conjugated |
| Alternate Names | EC 2.3.1.85; EC 1.3.1.39; Fatty acid synthase; EC 2.3.1.41; FAS; EC 4.2.1.59; OA-519; EC 2.3.1.38; EC 2.3.1.39; EC 3.1.2.14; EC 1.1.1.100; SDR27X1 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-------------|
| | FACS | 1:10 - 1:50 |
| | ICC/IF | 1:10 - 1:50 |
| | IHC-P | 1:10 - 1:50 |
| | WB | 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | A549 | |

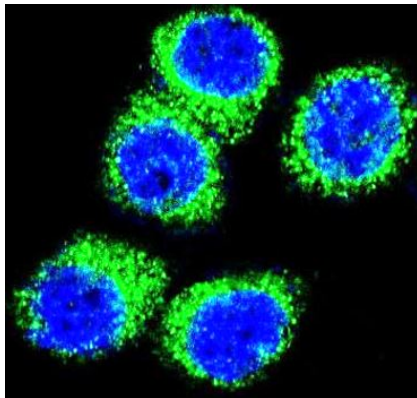
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Buffer | PBS and 0.09% (W/V) Sodium azide |
| Preservative | 0.09% (W/V) Sodium azide |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Bioinformation

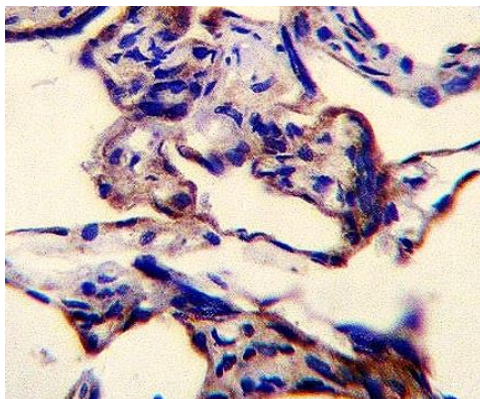
| | |
|----------------|--|
| Database links | GeneID: 2194 Human Swiss-port # P49327 Human |
| Gene Symbol | FASN |
| Gene Full Name | fatty acid synthase |
| Background | The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA 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. [provided by RefSeq, Jul 2008] |
| 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. [UniProt] |
| Highlight | Related products: Fatty Acid Synthase antibodies: Anti-Rabbit IgG secondary antibodies: Related news: Is it a potential cancer therapy by preventing acetate capture? |
| Calculated Mw | 273 kDa |

Images



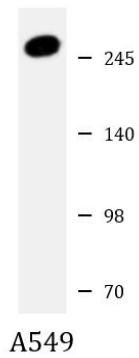
ARG55884 anti-Fatty Acid Synthase antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG55884 anti-Fatty Acid Synthase antibody (green). DAPI (blue) for nuclear staining.



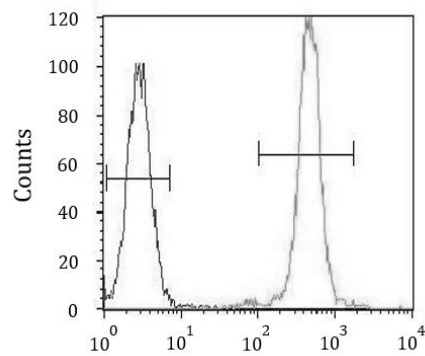
ARG55884 anti-Fatty Acid Synthase antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human placenta tissue stained with ARG55884 anti-Fatty Acid Synthase antibody.



ARG55884 anti-Fatty Acid Synthase antibody WB image

Western blot: 20 μ g of A549 cell lysate stained with ARG55884 anti-Fatty Acid Synthase antibody at 1:16000 dilution.



ARG55884 anti-Fatty Acid Synthase antibody FACS image

Flow Cytometry: HeLa cells stained with ARG55884 anti-Fatty Acid Synthase antibody (right histogram) or without primary antibody control (left histogram), followed by incubation with FITC labelled secondary antibody.