

Code No. 18341

**Anti-Human
Fatty Acid Synthase (FAS) Rabbit IgG Affinity Purify**Volume : 100 µg

Introduction : Animal fatty acid synthase (FAS) is a homodimer protein, which synthesizes long-chain fatty acids and is rich in liver, brain, breast and lung. However, the precise cellular localization of FAS in human tissue has not been elucidated. Immunohistochemistry with this antibody to human FAS revealed that in adult human tissues FAS is distributed mainly in cells with high lipid metabolism, in hormone-sensitive cells, and in a subset of epithelial cells of duodenum and stomach, colon absorptive cells, cerebral neurons, basket cells of cerebellum, deciduas, uroepithelium and epidermis. In fetal cells at 20 weeks of gestation, FAS was mainly present in proliferative epithelial cells of the digestive and respiratory systems, proximal renal tubules, adrenocortical cells, and mesenchymal and hematolymphoid cells.

Antigen : Synthetic peptide for a part of human Fatty Acid Synthase.
(AELQQHDVAQQQWDPAD)

Purification : Purified with antigen peptide

Form : Lyophilized product from PBS containing 1 % BSA and 0.05 % NaN₃

How to use : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

Stability : Lyophilized product, 5 years at 2 – 8 °C
: Solution, 2 years at –20 °C

Application : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues. The recommended concentration is 2 - 5 µg/mL, however, the concentration should be optimized by each laboratory.
: This antibody can be used for western blotting in concentration of 2 - 5 µg /mL.

Specificity : Human FAS specific. Cross-reactivity with rat and mice are not tested.

Reference : 1. Alo' PL, Visca P, Marci A, Mangoni A, Botti C, and Di Tondo U. Expression of fatty acid synthase (FAS) as a predictor of recurrence in stage I breast carcinoma patients. Cancer 1996: 77 (3) 474-482.

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