

Code No. 10038

**Anti-Human  
Fatty Acid Synthase (FAS) (14G5) Mouse IgG MoAb**

Volume : 100 µg

Lot No : 0G-117

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**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 of human FAS**Source** : Mouse-Mouse hybridoma, supernatant**Clone** : 14G5**Subclass** : IgG2b**Purification** : Affinity purified with antigen peptides**Form** : Lyophilized product from 1% BSA in PBS containing 0.05%NaN<sub>3</sub>**How to use** : 1 ml distilled water will be added to the product**Dilution** : PBS (pH7.4) containing 1% BSA**Stability** : Lyophilized product, 5 years at 2 – 8  
: Solution, 2 years at –20

**Application** : This antibody can be stained in formalin fixed paraffin embedded tissues without any pretreatment by several immunohistochemical techniques such as Avidin biotin complex (ABC) method. The optimal dilution is 1 - 5 µg/ml, however, the dilution rate should be optimized by each laboratories.  
: This antibody can be used for western blotting in concentration of 1 - 5 µg/ml.

**Specificity** : FAS specific, but it is sometimes stained macrophage in the tissue by immunohistochemistry.

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