

Code No. 10038

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

Source : Mouse-Mouse hybridoma (supernatant)

Clone : 14G5 **Subclass** : IgG2b

Purification : Affinity purified with antigen peptide

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

How to use : 1.0 mL deionized water will be added to the product, then its concentration comes to 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 without any pretreatment by several techniques such as Avidin Biotin Complex (ABC) Method. The optimal concentration is 1 - 5 µg/mL, however, the concentration should be optimized by each laboratory.
: This antibody can be used for western blotting in concentration of 5 µg/mL

Specificity : FAS specific, but it sometimes shows positive signals in macrophage by immunohistochemistry.

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