

ASIP

Reactivity: Human Mouse

Tested applications: IHC IF

Recommended Dilution: IHC 1:50 - 1:100 IF 1:50 - 1:100

Calculated MW: 15kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human ASIP

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

ASP; AGSW; AGTI; AGTIL; SHEP9;

Catalog #: A6872

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 434

Isotype: IgG

Swiss Prot: P42127

Purity: Affinity purification

For research use only.

Background:

In mice, the agouti gene encodes a paracrine signaling molecule that causes hair follicle melanocytes to synthesize pheomelanin, a yellow pigment, instead of the black or brown pigment, eumelanin. Pleiotropic effects of constitutive expression of the mouse gene include adult-onset obesity, increased tumor susceptibility, and premature infertility. This gene is highly similar to the mouse gene and encodes a secreted protein that may (1) affect the quality of hair pigmentation, (2) act as a pharmacological antagonist of alpha-melanocyte-stimulating hormone, (3) play a role in neuroendocrine aspects of melanocortin action, and (4) have a functional role in regulating lipid metabolism in adipocytes.

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