SLUG Mouse mAb

CatalogNo: YM0580

Key Features

Host Species
- Mouse

Reactivity
- Human

Applications
- WB,ELISA

MW
- 30kD (Calculated)

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:10000
Not yet tested in other applications.

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Monoclonal

Immunogen Information

Immunogen	Purified recombinant fragment of human SLUG expressed in E. Coli.
Specificity	SLUG Monoclonal Antibody detects endogenous levels of SLUG protein.

Target Information

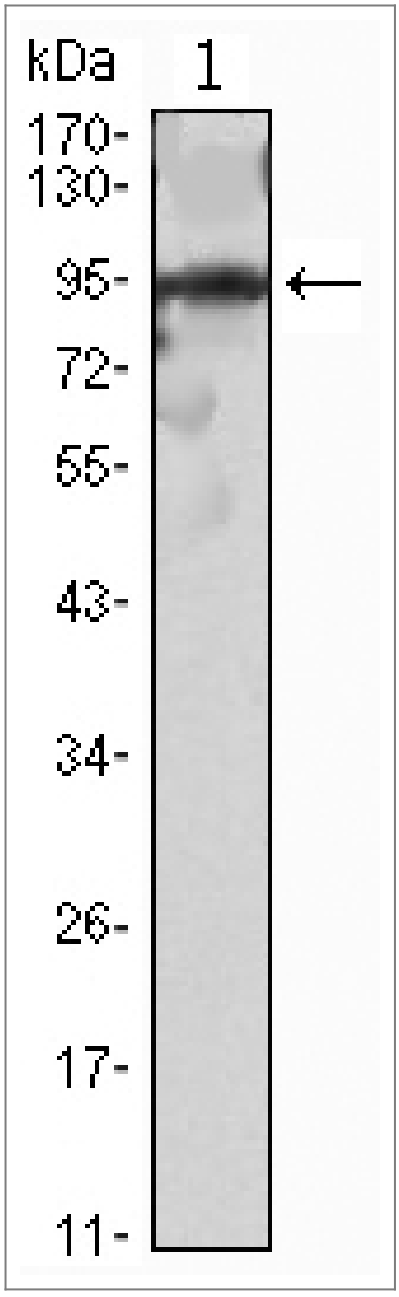
Gene name	SNAI2 SLUG SLUGH

Protein Name	Zinc finger protein SNAI2

Organism	Gene ID	UniProt ID
Human	6591;	O43623;

Cellular Localization	Nucleus . Cytoplasm. Observed in discrete foci in interphase nuclei. These nuclear foci do not overlap with the nucleoli, the SP100 and the HP1 heterochromatin or the coiled body, suggesting SNAI2 is associated with active transcription or active splicing regions.
Tissue specificity	Expressed in most adult human tissues, including spleen, thymus, prostate, testis, ovary, small intestine, colon, heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Not detected in peripheral blood leukocyte. Expressed in the dermis and in all layers of the epidermis, with high levels of expression in the basal layers (at protein level). Expressed in osteoblasts (at protein level). Expressed in mesenchymal stem cells (at protein level). Expressed in breast tumor cells (at protein level).
Function	Disease:Defects in SNAI2 are a cause of neural tube defects (NTD).,Disease:Defects in SNAI2 are the cause of Waardenburg syndrome type 2D (WS2D) [MIM:608890]. WS2 is a genetically heterogeneous, autosomal dominant disorder characterized by sensorineural deafness, pigmentary disturbances, and absence of dystopia canthorum. The frequency of deafness is higher in WS2 than in WS1.,Function:Transcriptional repressor. Involved in the generation and migration of neural crest cells.,similarity:Belongs to the snail C2H2-type zinc-finger protein family.,similarity:Contains 5 C2H2-type zinc fingers.,tissue specificity:Expressed in placenta and adult heart, pancreas, liver, kidney and skeletal muscle.,

Validation Data



Western Blot analysis using SLUG Monoclonal Antibody against SNAI2-hIgGFc transfected HEK293 cell lysate.

Contact information

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Please scan the QR code to access additional product information:
SLUG Mouse mAb