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Datasheet for 600-401-H17

Slug Antibody

Overview

Description:	Anti-Slug (RABBIT) Antibody - 600-401-H17
Item No.:	600-401-H17
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Slug antibody detects human Slug protein. Slug, a member of the Snail family of C2H2-type zinc finger transcription factors, was initially identified to be involved in epithelial-mesenchymal transitions as well as the formation of the neural tube during vertebrate embryogenesis. Like Snail, Slug transcription can be induced by growth factors such as FGF, BMP, and TGF-beta. Once expressed, Slug will bind E-box regions of promoters and repress transcription of genes such as E-cadherin and Claudin-. More recently, its expression in breast, esophageal, and colorectal carcinomas has been correlated with poor prognosis for survival. Furthermore, Slug can protect hemopoietic progenitor cells from radiation-induced apoptosis by repressing the p53-mediated transcription of Puma, a BH3-only antagonist of the anti-apoptotic members of the Bcl-2 family. Slug antibody has no cross-reactivity to Snail protein. Anti-Slug antibodies are ideal for investigators involved in transcription factors, cell cycle proteins and cancer research.
Synonyms:	SLUG, SLUGH
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SNAI2
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Slug Antibody was produced from whole rabbit serum prepared by repeated immunizations with a peptide from an internal region of human Slug.
Purity/Specificity:	Anti-Slug Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with Slug with Human and Mouse based on 100% homology with the immunizing sequence. Cross-reactivity with Slug from other sources has not been determined.
Relevant Links:	• NCBI - NP_003059.1 • UniProtKB - O43623 • GeneID - 6591

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-SLUG Antibody is tested for use in E, WB, and IF. Expect a band approximately ~29.9kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	20µg/mL
WB:	0.5 ug/mL

Formulation

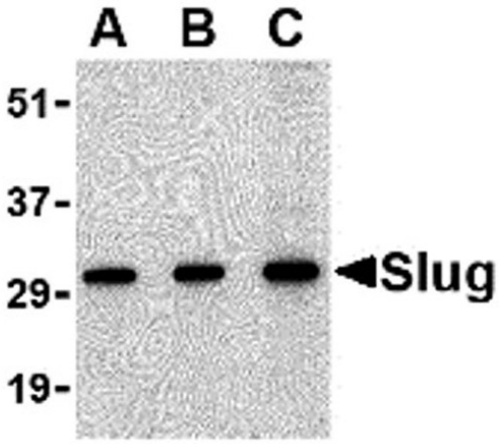
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

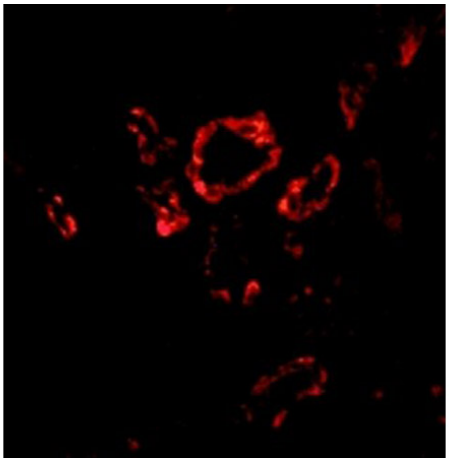
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot analysis of Slug.
Load: 293 cell lysate per lane.
Primary Antibody: Anti-Slug antibody at in (A) 0.5 µg/mL, (B) 1 µg/mL and (C) 2 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of Slug.
Tissue: human kidney tissue.
Primary Antibody: Anti-Slug antibody at 20 µg/mL.

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