

Datasheet for 600-401-ER3**Slug Antibody****Overview**

Description:	Anti-Slug (RABBIT) Antibody - 600-401-ER3
Item No.:	600-401-ER3
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	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-1. 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.
Synonyms:	Slug Antibody, SLUG, WS2D, SLUGH1, SNAIL2, SLUG, SLUGH, Zinc finger protein SNAI2, Neural crest transcription factor Slug
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Immunogen:	Anti-Slug antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide from near the internal region of human Slug.
Purity/Specificity:	Anti-Slug Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Slug from other sources has not been determined.
Relevant Links:	• UniProtKB - O43623 • GeneID - 6591 • NCBI - NP_003059.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Slug Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 30 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1 - 2 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 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 of Slug antibody in human kidney cell lysate. Lane A: Slug antibody at in 1 $\mu\text{g/mL}$. Lane B: Slug antibody at in 2 $\mu\text{g/mL}$. Load: 35 μg per lane. Primary antibody: Slug antibody at designated concentrations for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 95 kDa, 34 kDa for Slug. Other band(s): Slug splice variants and isoforms.

Disclaimer

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