


Anti-SLUG antibody ab27568

★★★★★ [11 Abreviews](#) [142 References](#) [3 Images](#)

Overview

Product name	Anti-SLUG antibody
Description	Rabbit polyclonal to SLUG
Host species	Rabbit
Specificity	ab27568 detects the overexpressing human Slug protein, however we have no data on the detection of the endogenous Human protein with this current batch. ab27568 does not cross react with overexpressed SNAIL protein in cell lysates.
Tested applications	Suitable for: WB, IHC-Fr Unsuitable for: ICC
Species reactivity	Reacts with: Mouse, Rat, Chicken, Human Predicted to work with: Cow, Dog, Pig, Xenopus laevis 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab27568 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

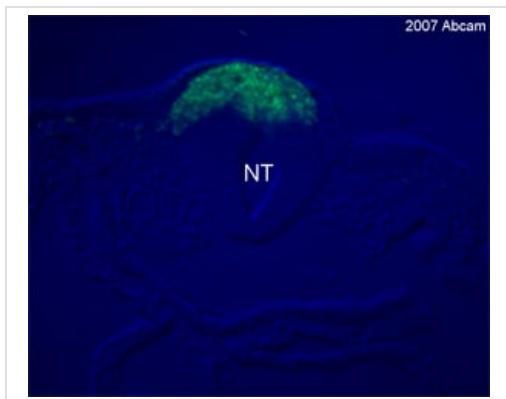
Application	Abreviews	Notes
WB	★★★★★ (3)	1/500 - 1/1000. Detects a band of approximately 30-34 kDa (predicted molecular weight: 30 kDa).
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration.

Application notes Is unsuitable for ICC.

Target

Function	Transcriptional repressor. Involved in the generation and migration of neural crest cells.
Tissue specificity	Expressed in placenta and adult heart, pancreas, liver, kidney and skeletal muscle.
Involvement in 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.
Sequence similarities	Belongs to the snail C2H2-type zinc-finger protein family. Contains 5 C2H2-type zinc fingers.
Cellular localization	Nucleus.

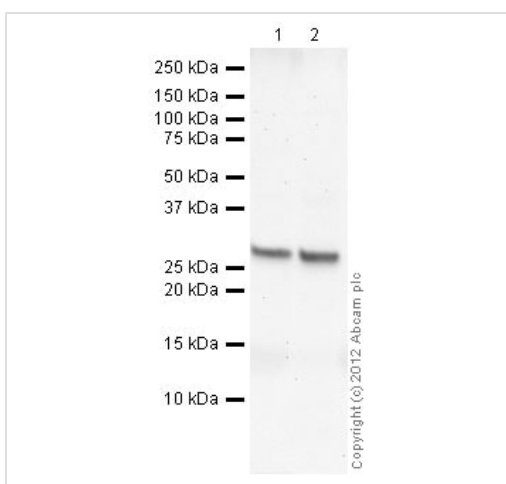
Images



Immunohistochemistry (Frozen sections) - Anti-SLUG antibody (ab27568)

This image is courtesy of Don Newgreen and Dong Cheng Zhang, Murdoch Childrens Research Institute

Transverse section showing Slug-expressing neural crest cells (green) in the dorsal neural tube (NT) in the hindbrain of a quail embryo. 4% PFA fixed embryonic day 1.7 Japanese Quail embryo, frozen in Tissutek, sectioned 12 um. Ab27568 1/400, incubated overnight. Goat anti-rabbit: Alexa488 (Molecular Probes) 1/1000 incubated for 2 hours.



Western blot - Anti-SLUG antibody (ab27568)

All lanes : Anti-SLUG antibody (ab27568) at 1 µg/ml

Lane 1 : Heart (Mouse) Tissue Lysate

Lane 2 : Heart (Rat) Tissue Lysate

Lysates/proteins at 30 µg per lane.

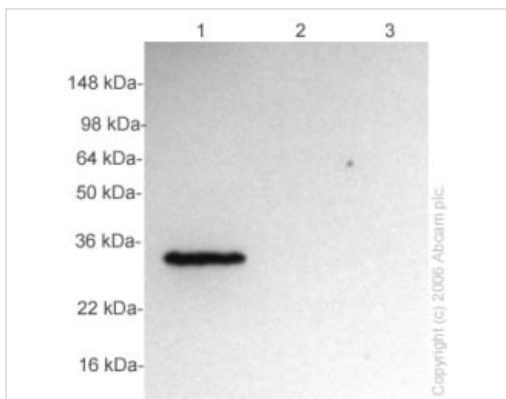
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Predicted band size: 30 kDa

Observed band size: 30 kDa

Secondary antibody - goat **anti-rabbit HRP** (preadsorbed)



Western blot - Anti-SLUG antibody (ab27568)

This image is courtesy of Archana Dhasarathy, Ph.D., NC

All lanes : Anti-SLUG antibody (ab27568) at 1/1000 dilution

Lane 1 : MCF7 cell lysate overexpressing SLUG protein

Lane 2 : MCF7 lysate overexpressing SNAIL protein

Lane 3 : MCF7 lysate transfected with vector control plasmid

Secondary

All lanes : HRP-conjugated anti-rabbit antibody at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 30 kDa

Observed band size: 34 kDa

ab27568 detects a band of 34 kDa in MCF7 cells that have been transfected with a vector that overexpresses the SLUG protein. This antibody does not crossreact with the SNAIL protein, as it did not recognize this protein in MCF7 cells overexpressing SNAIL. ab27568 was unable to detect endogenous SLUG in MDA-MB231 cells (not shown).

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