

Product datasheet

Anti-SMG7 antibody ab126984

★★★★★ [5 Abreviews](#) [2 Images](#)

Overview

Product name	Anti-SMG7 antibody
Description	Rabbit polyclonal to SMG7
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment, corresponding to a region within amino acids 719-1003 of Human SMG7, isoform 4 (AAH36381).
Positive control	NT2D1 whole cell lysate; HeLa xenograft tissue
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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab126984 in the following tested applications.

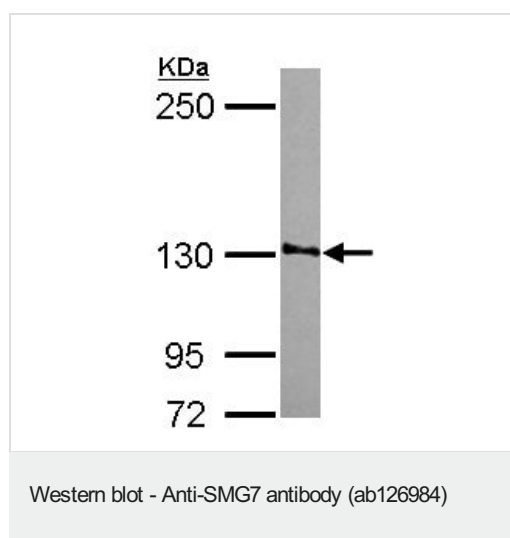
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (5)	1/500 - 1/3000. Predicted molecular weight: 132 kDa.
IHC-P		1/100 - 1/500.

Target

Function	Plays a role in nonsense-mediated mRNA decay. Recruits UPF1 to cytoplasmic mRNA decay bodies. Together with SMG5 is thought to provide a link to the mRNA degradation machinery involving exonucleolytic pathways, and to serve as an adapter for UPF1 to protein phosphatase 2A (PP2A), thereby triggering UPF1 dephosphorylation.
Sequence similarities	Contains 2 TPR repeats.
Cellular localization	Cytoplasm. Nucleus. Predominantly cytoplasmic, and nuclear. Shuttles between nucleus and cytoplasm.

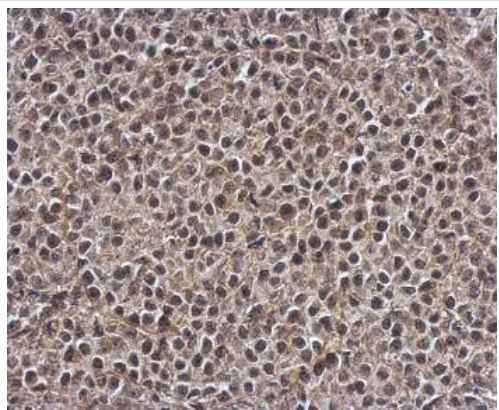
Images



Anti-SMG7 antibody (ab126984) at 1/1000 dilution + NT2D1 cell lysate at 30 μ g

Predicted band size: 132 kDa

5% SDS PAGE



ab126984 at a 1/500 dilution staining SMG7 in paraffin-embedded HeLa xenograft tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SMG7 antibody (ab126984)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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