

Datasheet for ABIN2786101
anti-SMG5 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	SMG5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMG5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SMG5
Sequence:	MSQGPPTGES SEPEAKVLHT KRLYRAVVEA VHRLDLILCN KTAYQEVFKP
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 93%, Pig: 93%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against SMG5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SMG5
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Target Details

Alternative Name:	SMG5 (SMG5 Products)
Background:	<p>SMG5 plays a role in nonsense-mediated mRNA decay. SMG5 does not have RNase activity by itself. SMG5 promotes dephosphorylation of RENT1. SMG5 is necessary for TERT activity. SMG5 is involved in nonsense-mediated mRNA decay (Ohnishi et al., 2003 [PubMed 14636577]). [supplied by OMIM].</p> <p>Alias Symbols: EST1B, FLJ34864, KIAA1089, LPTS-RP1, LPTSRP1, RP11-54H19.7, SMG-5</p> <p>Protein Interaction Partner: RBM8A, UPF1, PHB, ZWINT, UBC, APP, HDAC8, STUB1, SMG7, SMG6, SMG1, TERT,</p> <p>Protein Size: 1016</p>
Molecular Weight:	114 kDa
Gene ID:	23381
NCBI Accession:	NM_015327 , NP_056142
UniProt:	Q9UPR3

Application Details

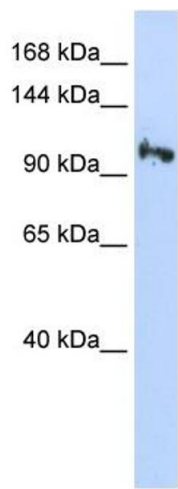
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1016 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-SMG5 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Jurkat cell lysate