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Datasheet for ABIN7384099  
**anti-SMG7 antibody**

### Overview

Quantity:	60 µL
Target:	SMG7
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMG7 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Recombinant fusion protein of human SMG7 (NP_963863.2).
Isotype:	IgG
Purification:	Affinity purification

### Target Details

Target:	SMG7
Alternative Name:	SMG7 ( <a href="#">SMG7 Products</a> )
Background:	SMG7,C1orf16,EST1C,SGA56M,This gene encodes a protein that is essential for nonsense-mediated mRNA decay (NMD), a process whereby transcripts with premature termination codons are targeted for rapid degradation by a mRNA decay complex. The mRNA decay complex consists, in part, of this protein along with proteins SMG5 and UPF1. The N-terminal domain of this protein is thought to mediate its association with SMG5 or UPF1 while the C-

## Target Details

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terminal domain interacts with the mRNA decay complex. This protein may therefore couple changes in UPF1 phosphorylation state to the degradation of NMD-candidate transcripts. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Molecular Weight: Observed\_MW: 127 kDa  
Calculated\_MW: 122 kDa/127 kDa/131 kDa

Gene ID: 9887

UniProt: [Q92540](#)

## Application Details

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Application Notes: WB 1:200-1:2000

Restrictions: For Research Use only

## Handling

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Concentration: 1 mg/mL

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.