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Datasheet for ABIN7452857
anti-SMG1 antibody (AA 1625-1675)

Overview

Quantity:	100 µg
Target:	SMG1
Binding Specificity:	AA 1625-1675
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMG1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit anti-SMG1 Antibody, Affinity Purified
Immunogen:	between AA 1625 and 1675
Isotype:	IgG
Predicted Reactivity:	Mouse
Purification:	Affinity Purified

Target Details

Target:	SMG1
Alternative Name:	SMG1 (SMG1 Products)
Background:	Background: SMG1 is a PIKK (phosphoinositide 3-kinase related kinases) protein kinase that

Target Details

plays a key role in RNA surveillance via nonsense-mediated mRNA decay (NMD). SMG1 phosphorylates Upf1, a factor that possesses RNA helicase activity and is also central to NMD. SMG1 and UPF-1 have been shown to exist in a complex with the translation termination release factors eRF3, and eRF1. This complex has been termed SURF and associates with the exon junction complex (EJC) to function in the recognition of premature termination codons in aberrant RNAs to trigger NMD.

Gene ID: 23049

UniProt: [Q96Q15, Q96QV0](#)

Pathways: [Inositol Metabolic Process](#)

Application Details

Application Notes: IP: Not recommended. A300-394A is recommended.

WB: 1:2,000 - 1:10,000

Restrictions: For Research Use only

Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

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: 4 °C

Expiry Date: 12 months