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Datasheet for ABIN7449171
anti-SMG1 antibody (AA 1250-1300)

Overview

| | |
|----------------------|-------------------------------------|
| Quantity: | 100 µg |
| Target: | SMG1 |
| Binding Specificity: | AA 1250-1300 |
| 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 1250 and 1300 |
| 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

NCBI Accession: [NP_055907](#)

UniProt: [Q96Q15](#)

Pathways: [Inositol Metabolic Process](#)

Application Details

Application Notes: 1:1,000 - 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