SMG7 Polyclonal Antibody

catalog number: E-AB-32926

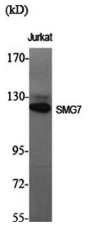
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Synthesized peptide derived from the Internal region of human SMG7
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:300
IF	1:200-1:1000

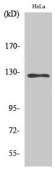
Data



Western Blot analysis of Jurkat cells using SMG7 Polyclonal Antibody at dilution of 1:2000.

Observed-MW:127 kDa

Calculated-MW:127 kDa



Western Blot analysis of Hela cells using SMG7 Polyclonal Antibody at dilution of 1:2000.

Observed-MW:127 kDa

Calculated-MW:127 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

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-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.SMG7 (SMG7, Nonsense Mediated MRNA Decay Factor) is a Protein Coding gene. Among its related pathways are Gene Expression and Viral mRNA Translation. GO annotations related to this gene include protein phosphatase 2A binding. An important paralog of this gene is SMG6.

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