SMG7 Polyclonal Antibody

Catalog No. E-AB-65287

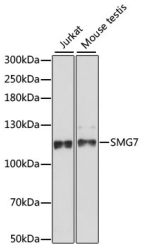
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human,Mouse,Rat
Immunogen	Recombinant fusion protein of human SMG7 (NP_963863.2).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications	Recommended Dilution
WB	1:200-1:2000

Data



Western blot analysis of extracts of various cell lines using SMG7 Polyclonal Antibody at dilution of 1:1000.
Observed Mw:127kDa
Calculated Mw:122kDa/127kDa/131kDa

Preparation & Storage

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

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.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com