

For Research Use Only

SMG6 Monoclonal antibody, PBS Only



Catalog Number: 68109-1-PBS

Basic Information

Catalog Number: 68109-1-PBS	GenBank Accession Number: NML_017575	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23293	CloneNo.: 1D2G2
Source: Mouse	UNIPROT ID: Q86US8	
Isotype: IgG2a	Full Name: Smg-6 homolog, nonsense mediated mRNA decay factor (C. elegans)	
Immunogen Catalog Number: AG30182	Calculated MW: 160 kDa	
	Observed MW: 160 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, mouse

Background Information

SMG6, also known as C17orf31, EST1A, and hEST1A, is a component of the telomerase ribonucleoprotein (RNP) complex that is essential for the replication of chromosome termini (PMID: 19179534). It promotes in vitro the ability of TERT to elongate telomeres (PMID: 12676087, 12699629). SMG6 also plays a role in the nonsense-mediated mRNA decay (NMD) pathway, providing the endonuclease activity near the premature translation termination codon that is needed to initiate NMD (PMID: 19060897, 20930030). Alternate splicing results in multiple transcript variants (PMID: 12699629, 14636577).

Storage

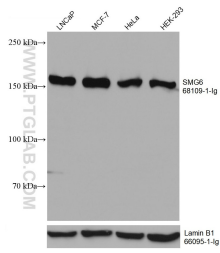
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68109-1-Ig (SMG6 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Lamin B1 Monoclonal antibody (66095-1-Ig) as loading control. This data was developed using the same antibody clone with 68109-1-PBS in a different storage buffer formulation.



RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 68109-1-Ig (SMG6 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68109-1-PBS in a different storage buffer formulation.