

Rabbit anti-Human SMG7 Polyclonal Antibody | anti-SMG7 antibody

SMG7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324071	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

SMG7; Polyclonal Antibody; SMG7 Antibody; breast cancer-associated antigen SGA-56M; C1orf16; EST1 like protein C; EST1 telomerase component homolog C; EST1-like protein C; EST1C; ever shorter telomeres 1C; FLJ23717; hSMG-7; nonsense mediated mRNA decay factor (C. elegans); Protein SMG7; SGA56M; SMG 7; SMG-7 homolog; Smg7; SMG7_HUMAN; anti-SMG7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	SMG7 antibody detects endogenous levels of total SMG7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1145
Applicable Applications for anti-SMG7 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Nucleus. Predominantly Cytoplasmic, and Nuclear. Shuttles between nucleus and cytoplasm.
Predicted Cross Reactivity	Pig, Horse, Sheep, Dog
Similarity	Pig (83%), Horse (92%), Sheep (83%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using SMG7 antibody.



IF (Immunofluorescence)

AAA324071 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SMG7 antibody	Function: Plays a role in nonsense-mediated mRNA decay. Recruits UPF1 to cytoplasmic mRNA decay bodies. Together with SMG5 is thought to provide a link to the mRNA degradation machinery involving exonucleolytic pathways, and to serve as an adapter for UPF1 to protein phosphatase 2A (PP2A), thereby triggering UPF1 dephosphorylation. Subunit Structure: Part of a complex that contains SMG5, SMG7, PPP2CA, a short isoform of UPF3A (isoform UPF3AS, but not isoform UPF3AL) and phosphorylated UPF1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	291327485
NCBI GeneID	9887
NCBI Accession #	NP_001167532.1
NCBI GenBank Nucleotide #	NM_001174061.1
UniProt Accession #	Q92540; Q5T1Q0; Q6PIE0; Q7Z7H9; Q8IXC1; Q8IXC2; B4DRB2; E9PCI0; E9PEH2
Molecular Weight	Observed: 127 kD Predicted: 128 kDa
NCBI Official Full Name	protein SMG7 isoform 5
NCBI Official Synonym Full Names	SMG7, nonsense mediated mRNA decay factor
NCBI Official Symbol	SMG7
NCBI Official Synonym Symbols	EST1C; SGA56M; C1orf16
NCBI Protein Information	protein SMG7
UniProt Protein Name	Protein SMG7
UniProt Gene Name	SMG7
UniProt Synonym Gene Names	C1orf16; EST1C; KIAA0250; hSMG-7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/smg7-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324071>