

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

Anti-SMG7 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA17819  | Rabbit | Human      | Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation |

### PRODUCT SYNONYMS

SMG7; Polyclonal Antibody; Anti-SMG7 Antibody; C1orf16; EST1C; KIAA0250; Protein SMG7; EST1-like protein C; SMG-7 homolog; hSMG-7; anti-SMG7 antibody

### PRODUCT SPECIFICATIONS

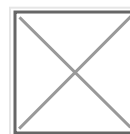
|                                                |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                              |
| Reactivity                                     | Human                                                                                                                               |
| Clonality                                      | Polyclonal                                                                                                                          |
| Specificity                                    | Recognizes endogenous levels of SMG7 protein.                                                                                       |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                                     |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                           |
| Sequence Length                                | 1145                                                                                                                                |
| Applicable Applications for anti-SMG7 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)                                    |
| Application Notes                              | WB (1/500 - 1/1000)<br>IH (1/100 - 1/200)<br>IF/IC (1/100 - 1/500)<br>IP (1/10 - 1/100)                                             |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SMG7. The exact sequence is proprietary. |
| Preparation and Storage                        | Shipping: Blue Ice<br>Upon delivery aliquot and store at -20°C for one year.<br>Avoid freeze/thaw cycles.                           |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of SMG7 staining in A431 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of SMG7 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



**WB (Western Blot)**

Western blot analysis of SMG7 expression in Jurkat (A), A431 (B), HeLa (C) whole cell lysates.

**ADDITIONAL INFORMATION**

|                                                    |                                    |
|----------------------------------------------------|------------------------------------|
| Related Product Information for anti-SMG7 antibody | Rabbit polyclonal antibody to SMG7 |
|----------------------------------------------------|------------------------------------|

**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                                                                                                                          |
| 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; EST1-like protein C; ever shorter telomeres 1C; EST1 telomerase component homolog C; breast cancer-associated antigen SGA-56M; smg-7 homolog, nonsense mediated mRNA decay factor |
| UniProt Protein Name             | Protein SMG7                                                                                                                                                                                    |
| UniProt Gene Name                | <b>SMG7</b>                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | C1orf16; EST1C; KIAA0250; hSMG-7                                                                                                                                                                |
| UniProt Entry Name               | SMG7_HUMAN                                                                                                                                                                                      |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/smg7-antibody-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/17819>