

**SMG7 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51529****Specification**

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**SMG7 Antibody - Product Information**

Application	WB, IP, ICC, IHC-P, E
Primary Accession	<a href="#">Q92540</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	127 KDa

**SMG7 Antibody - Additional Information****Gene ID** 9887**Other Names**

Protein SMG7, EST1-like protein C, SMG-7 homolog, hSMG-7, SMG7, C1orf16, EST1C, KIAA0250

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SMG7. The exact sequence is proprietary.

**Dilution**

WB~~1:1000

IP~~N/A

ICC~~N/A

IHC-P~~N/A

E~~N/A

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**SMG7 Antibody - Protein Information****Name** SMG7 ([HGNC:16792](#))**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.

**Cellular Location**

Cytoplasm. Nucleus. Note=Predominantly cytoplasmic, and nuclear. Shuttles between nucleus and cytoplasm

### **SMG7 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **SMG7 Antibody - Images**

### **SMG7 Antibody - Background**

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### **SMG7 Antibody - References**

Ohnishi T.,et al.Mol. Cell 12:1187-1200(2003).  
Nagase T.,et al.DNA Res. 3:321-329(1996).  
Nakajima D.,et al.DNA Res. 9:99-106(2002).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Gregory S.G.,et al.Nature 441:315-321(2006).