

SMG7 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20918c

Specification

SMG7 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O92540
Other Accession	O5RJH6
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	127282

SMG7 Antibody (C-term) - Additional Information

Gene ID 9887

Other Names

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

Target/Specificity

This SMG7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 896-930 amino acids from the C-terminal region of human SMG7.

Dilution

WB~~1:500-1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SMG7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SMG7 Antibody (C-term) - 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

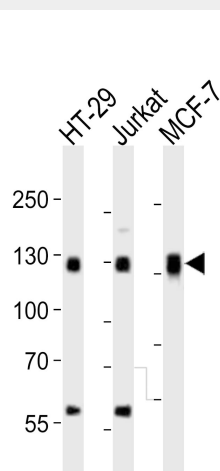
Cytoplasm. Nucleus. Note=Predominantly cytoplasmic, and nuclear. Shuttles between nucleus and cytoplasm

SMG7 Antibody (C-term) - 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 (C-term) - Images



Western blot analysis of lysates from HT-29, Jurkat, MCF-7 cell line (from left to right), using SMG7 Antibody (C-term)(Cat. #AP20918c). AP20918c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

SMG7 Antibody (C-term) - Background

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.

SMG7 Antibody (C-term) - 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).