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SMG7 Polyclonal Antibody
Catalog # AP72525

Specification

SMG7 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IF**
Primary Accession	Q92540
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

SMG7 Polyclonal Antibody - Additional Information

Gene ID 9887

Other Names
SMG7; C1orf16; EST1C; KIAA0250; Protein SMG7; EST1-like protein C; SMG-7 homolog; hSMG-7

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
IHC-P~~N/A
IF~~1:50~200

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

SMG7 Polyclonal 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 Polyclonal Antibody - Protocols

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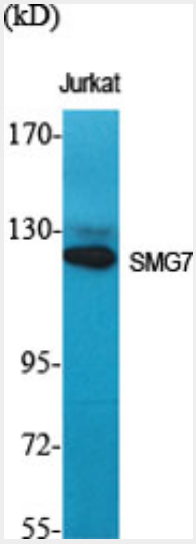
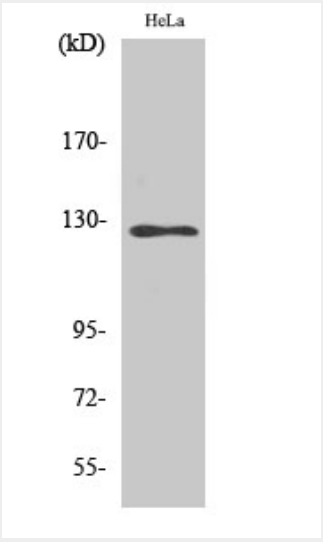
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SMG7 Polyclonal Antibody - Images



Western Blot analysis of various cells using SMG7 Polyclonal Antibody diluted at 1□2000



Western Blot analysis of HuvEc cells using SMG7 Polyclonal Antibody diluted at 1□2000

SMG7 Polyclonal Antibody - 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.