Datasheet for ABIN7166132

anti-SMG7 antibody (AA 694-809)

3 Images

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Overview

Quantity:	100 µg
Target:	SMG7
Binding Specificity:	AA 694-809
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMG7 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Protein SMG7 protein (694-809AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SMG7
Alternative Name:	SMG7 (SMG7 Products)
Background:	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

Target Details

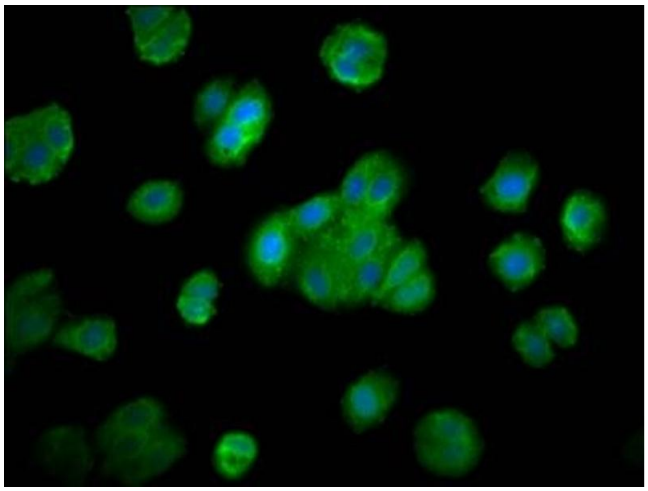
	machinery involving exonucleolytic pathways, and to serve as an adapter for UPF1 to protein phosphatase 2A (PP2A), thereby triggering UPF1 dephosphorylation. Aliases: breast cancer-associated antigen SGA-56M antibody, C1orf16 antibody, EST1 like protein C antibody, EST1 telomerase component homolog C antibody, EST1-like protein C antibody, EST1C antibody, ever shorter telomeres 1C antibody, FLJ23717 antibody, hSMG-7 antibody, nonsense mediated mRNA decay factor (C. elegans) antibody, Protein SMG7 antibody, SGA56M antibody, SMG 7 antibody, SMG-7 homolog antibody, Smg7 antibody, SMG7_HUMAN antibody
UniProt:	Q92540

Application Details

Application Notes:	Recommended dilution: IHC:1:500-1:1000, IF:1:200-1:500,
Restrictions:	For Research Use only

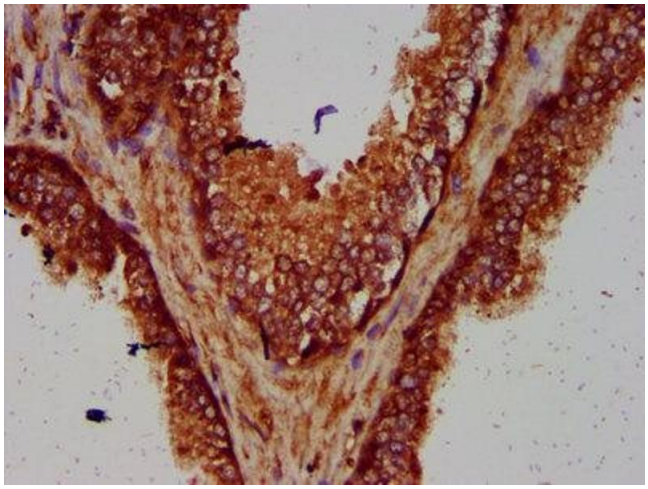
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



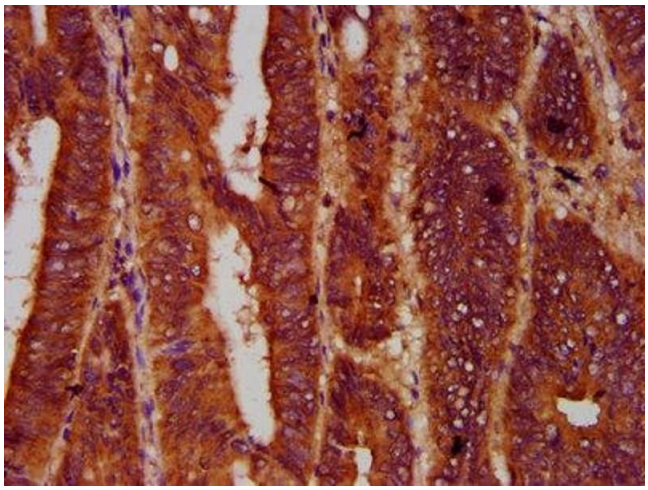
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7166132 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7166132 diluted at 1:600 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 3. IHC image of ABIN7166132 diluted at 1:600 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.