

## SMG9 Rabbit pAb

CatalogNo: YN0146

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 57kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human protein . at AA range: 70-150

**Specificity** SMG9 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name** SMG9 C19orf61

**Protein Name** Protein SMG9 (Protein smg-9 homolog)

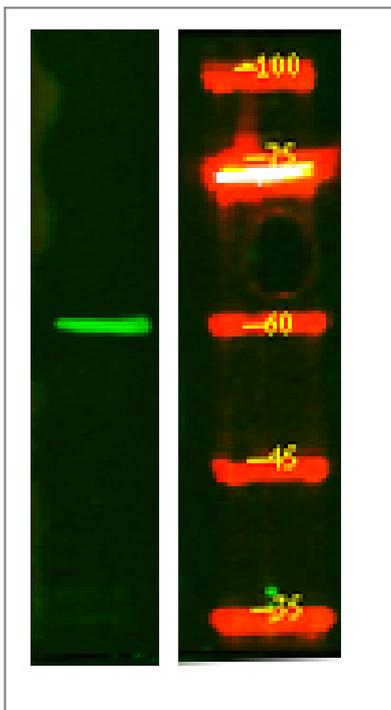
Organism	Gene ID	UniProt ID
Human	<a href="#">56006</a> ;	<a href="#">Q9H0W8</a> ;
Mouse		<a href="#">Q9DB90</a> ;
Rat		<a href="#">Q5PQS6</a> ;

**Cellular Localization** intracellular,cytosol,

**Tissue specificity** Brain,Epithelium,Muscle,Teratocarcinoma,

**Function** Function:Component of the SMG1C complex, a mRNA surveillance complex that recognizes and degrades mRNAs containing premature translation termination codons (PTCs) via the nonsense-mediated mRNA decay (NMD). The complex probably acts by associating with ribosomes during translation termination on mRNPs. If an exon junction complex (EJC) is located 50-55 or more nucleotides downstream from the termination codon, smg1 phosphorylates upf1/rent1, triggering nonsense-mediated mRNA decay (NMD). In the SMG1C complex, it is required for the efficient association between smg1 and smg8.,PTM:Phosphorylated by SMG1.,similarity:Belongs to the SMG9 family.,subunit:Component of the SMG1C complex, at least composed of SMG1, SMG8 and SMG9. The SMG1C complex is then recruited on premature translation termination codons (PTCs) to form the ribosome:SURF complex, at least composed of ERF1, ERF3 (ERF3A or ERF3B), EEF2, UPF1/RENT1, SMG1, SMG8 and SMG9.,

## Validation Data



Western Blot analysis of HEK293 lysis, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000

## | Contact information

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**SMG9 Rabbit pAb**

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