



## Rabbit Anti-RNF6 antibody

SL9172R

<b>Product Name:</b>	RNF6
<b>Chinese Name:</b>	Ring finger protein6抗体
<b>Alias:</b>	E3 ubiquitin-protein ligase RNF6; Ring finger protein (C3H2C3 type) 6; Ring finger protein 6; RING H2 protein; RING H2 protein RNF6; RNF 6; RNF6; RNF6_HUMAN; SPG2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	78kDa
<b>Cellular localization:</b>	The nucleuscytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human RNF6:551-650/685
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The protein encoded by this gene contains a RING-H2 finger motif. Deletions and mutations in this gene were detected in esophageal squamous cell carcinoma (ESCC), suggesting that this protein may be a potential tumor suppressor. Studies of the mouse counterpart suggested a role of this protein in the transcription regulation that controls germinal differentiation. Multiple alternatively spliced transcript variants encoding the

same protein are observed. [provided by RefSeq, Jul 2008].

**Function:**

E3 ubiquitin-protein ligase mediating 'Lys-48'-linked polyubiquitination of LIMK1 and its subsequent targeting to the proteasome for degradation. Negatively regulates axonal outgrowth through regulation of the LIMK1 turnover. Mediates 'Lys-6' and 'Lys-27'-linked polyubiquitination of AR/androgen receptor thereby modulating its transcriptional activity. May also bind DNA and function as a transcriptional regulator.

**Subunit:**

Interacts with LIMK1 (By similarity). Interacts with AR.

**Subcellular Location:**

Nucleus. Cytoplasm. Cell projection, axon. Nucleus, PML body. Note=Localizes to the PML nuclear bodies in Sertoli cells.

**Tissue Specificity:**

Weakly expressed in peripheral blood, spleen, prostate, testis and ovary. According to PubMed:18368307, it is preferentially expressed in testis and ovary and hardly detected in other tissues.

**DISEASE:**

Esophageal cancer (ESCR) [MIM:133239]: A malignancy of the esophagus. The most common types are esophageal squamous cell carcinoma and adenocarcinoma. Cancer of the esophagus remains a devastating disease because it is usually not detected until it has progressed to an advanced incurable stage. Note=The disease may be caused by mutations affecting the gene represented in this entry.

**Similarity:**

Belongs to the RNF12 family.  
Contains 1 RING-type zinc finger.

**SWISS:**

Q9Y252

**Gene ID:**

6049

**Database links:**

[Entrez Gene: 6049](#)Human

[Entrez Gene: 74132](#)Mouse

[Entrez Gene: 304271](#)Rat

[Omim: 604242](#)Human

[SwissProt: Q9Y252](#)Human

[SwissProt: Q9DBU5](#)Mouse

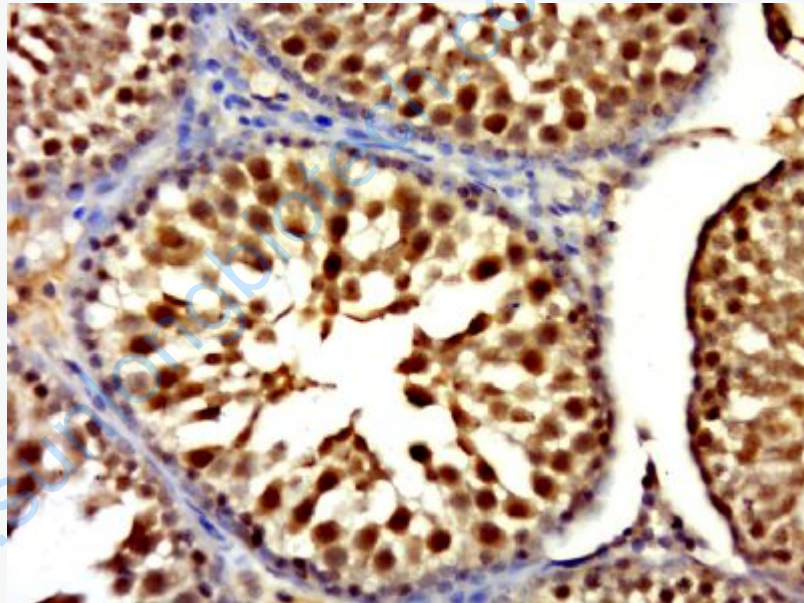
[Unigene: 136885](#)Human

[Unigene: 26696](#)Mouse

[Unigene: 53030](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RNF6) Polyclonal Antibody, Unconjugated (SL9172R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.