



## Rabbit Anti-RNF3 antibody

SL9169R

<b>Product Name:</b>	RNF3
<b>Chinese Name:</b>	Ring finger protein3抗体
<b>Alias:</b>	DONG1; PCGF3; polycomb group ring finger 3; Ring finger protein 3; RNF3; RNF3A; PCGF3 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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>	28kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PCGF3/RNF3:141-242/242
<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>	Polycomb group (PcG) proteins form multiprotein complexes that regulate expression patterns of developmental and cell proliferation genes. Several members of the PcG contain ring finger domains and are identified as a subclass of RING finger proteins. The RING-type zinc finger motif is present in a number of viral and eukaryotic proteins and is made of a conserved cysteine-rich domain that is able to bind two zinc atoms. Proteins that contain the RING-type zinc finger conserved domain are generally

involved in the ubiquitination pathway of protein degradation. PCGF3 (polycomb group ring finger 3), also known as RNF3, DONG1 or RNF3A, is a 242 amino acid transcriptional regulator that is encoded by a gene located on human chromosome 4, which encodes nearly 6% of the human genome and has the largest gene deserts (regions of the genome with no protein encoding genes) of all of the human chromosomes. PCGF3 exists as two isoforms produced by alternative splicing events.

**Function:**

Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility.

**Subunit:**

Component of a PRC1-like complex. Interacts with CBX6, CBX7 and CBX8.

**Subcellular Location:**

Nucleus.

**Similarity:**

Contains 1 RING-type zinc finger.

**SWISS:**

Q3KNV8

**Gene ID:**

10336

**Database links:**

[Entrez Gene: 10336](#)Human

[Entrez Gene: 69587](#)Mouse

[SwissProt: Q2KJ29](#)Cow

[SwissProt: Q3KNV8](#)Human

[SwissProt: Q8BTQ0](#)Mouse

[Unigene: 144309](#)Human

[Unigene: 731755](#)Human

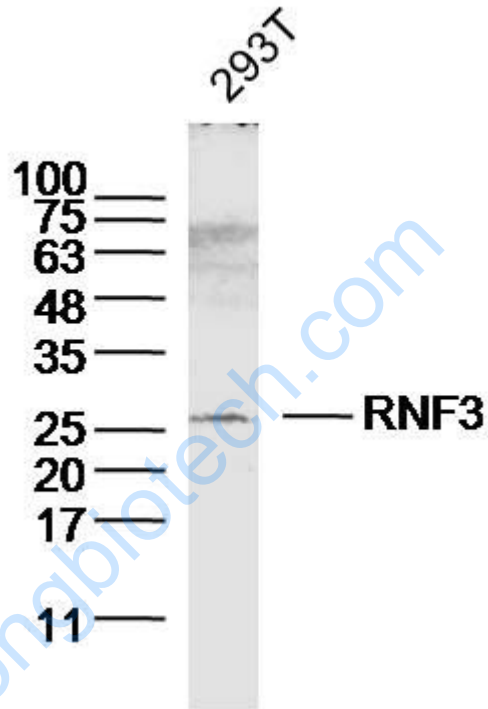
[Unigene: 261218](#)Mouse

[Unigene: 486543](#)Mouse

**Important Note:**

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

Picture:



Sample: 293T Cell (Human) Lysate at 30 ug

Primary: Anti- RNF3 (SL9169R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 28kD

Observed band size: 28kD