

## Mouse Anti-RNF4 antibody

SLM-51716M

<b>Product Name</b>	RNF4
<b>Chinese Name</b>	RNF4 单克隆抗体
<b>Alias</b>	RNF4_HUMAN; E3 ubiquitin ligase RNF4; E3 ubiquitin protein ligase RNF4; Protein SNURF; RES4 26; RING finger protein 4; SLX5; Small nuclear ring finger protein; SNURF.
<b>Research Area</b>	Chromatin and nuclear signals Epigenetics Ubiquitin
<b>Immunogen Species</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone NO.</b>	E4R2
<b>React Species</b>	Human, WB=1:500-2000
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	21kDa
<b>Cellular localization</b>	cytoplasmic The cell membrane
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	Recombinant human RNF4.
<b>Lsotype</b>	IgG1, $\kappa$
<b>Purification</b>	affinity purified by Protein G
<b>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a>
<b>Product Detail</b>	The protein encoded by this gene contains a RING finger motif and acts as a transcription regulator. This protein has been shown to interact with, and

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inhibit the activity of, TRPS1, a transcription suppressor of GATA-mediated transcription. Transcription repressor ZNF278/PATZ is found to interact with this protein, and thus reduce the enhancement of androgen receptor-dependent transcription mediated by this protein. Studies of the mouse and rat counterparts suggested a role of this protein in spermatogenesis. A pseudogene of this gene is found on chromosome 1.[provided by RefSeq, Jul 2010]

**Function:**

E3 ubiquitin-protein ligase which binds polysumoylated chains covalently attached to proteins and mediates 'Lys-6'-, 'Lys-11'-, 'Lys-48'- and 'Lys-63'-linked polyubiquitination of those substrates and their subsequent targeting to the proteasome for degradation. Regulates the degradation of several proteins including PML and the transcriptional activator PEA3. Involved in chromosome alignment and spindle assembly, it regulates the kinetochore CENPH-CENPI-CENPK complex by targeting polysumoylated CENPI to proteasomal degradation. Regulates the cellular responses to hypoxia and heat shock through degradation of respectively EPAS1 and PARP1. Alternatively, it may also bind DNA/nucleosomes and have a more direct role in the regulation of transcription for instance enhancing basal transcription and steroid receptor-mediated transcriptional activation.

**Subcellular Location:**

Cytoplasm. Nucleus. Nucleus. PML body. Nucleus. nucleoplasm.

**Tissue Specificity:**

Widely expressed at low levels in many tissues; highly expressed in testis.

**Post-translational modifications:**

Sumoylated; conjugated by one or two SUMO1 moieties. Autoubiquitinated.

**Similarity:**

Contains 1 RING-type zinc finger.

**SWISS:**

P78317

**Gene ID:**

6047

**Database links:**

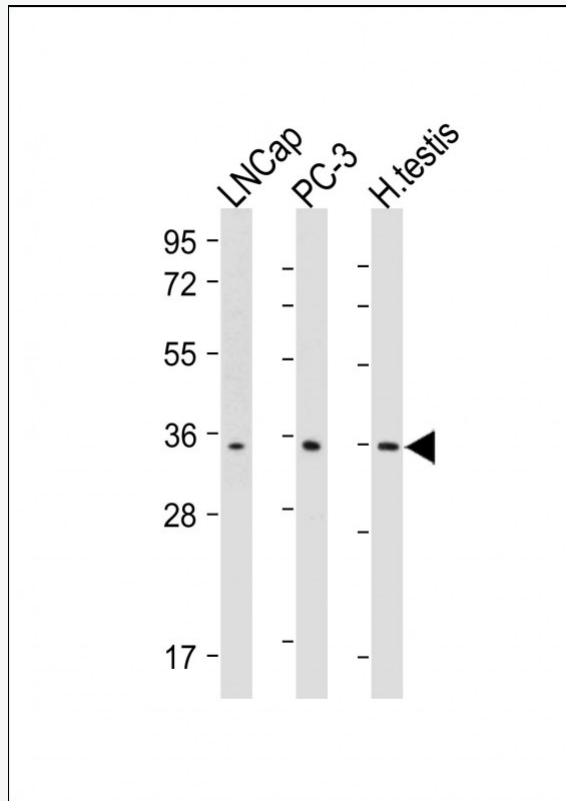
[Entrez Gene: 51573](#) Human

[Oimim: 605943](#) Human

[SwissProt: Q9NZC3](#) Human

[Unigene: 512607](#) Human

**Product Picture**



Sample:

Lane 1: LNCap cell lysates

Lane 2: PC-3 cell lysates

Lane 3: Human testis tissue lysates

Primary: Anti-RNF4 (SLM-51716M) at 1/2000 dilution

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

Predicted band size: 21 kD



SunLong Biotech Co.,LTD  
Tel: 0086-571-56623320 Fax:0086-571-56623318  
E-mail:sales@sunlongbiotech.com  
www.sunlongbiotech.com

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Observed band size: 34 kD