

RNF4 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8684b-200 □

Specification

RNF4 Antibody - Product info

Application	WB
Primary Accession	P78317
Reactivity	Human
Predicted	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1,k
Clone Names	2055CT191.101.249
Calculated MW	21319

RNF4 Antibody - Additional info

Gene ID 6047

Other Names

E3 ubiquitin-protein ligase RNF4, 6.3.2.-, RING finger protein 4, Small nuclear ring finger protein, Protein SNURF, RNF4, SNURF

Target/Specificity

This RNF4 antibody is generated from a mouse immunized with a recombinant protein from the human region of human RNF4.

Dilution

WB~1:2000

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RNF4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

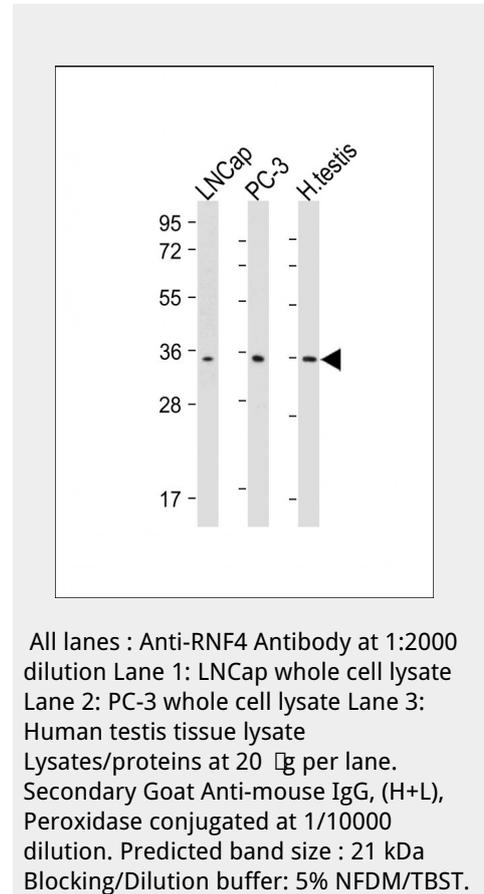
RNF4 Antibody - Protein Information

Name RNF4

Synonyms SNURF

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.

Cellular Location

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

Tissue Location

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

RNF4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [□Western Blot](#)
- [□Blocking Peptides](#)
- [□Dot Blot](#)
- [□Immunohistochemistry](#)
- [□Immunofluorescence](#)
- [□Immunoprecipitation](#)
- [□Flow Cytometry](#)
- [□Cell Culture](#)

RNF4 Antibody - Background

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.

RNF4 Antibody - References

Hadano S.,et al.DNA Res. 5:177-186(1998). Chiariotti L.,et al.Genomics 47:258-265(1998). Ota T.,et al.Nat. Genet. 36:40-45(2004). Hillier L.W.,et al.Nature 434:724-731(2005). Fedele M.,et al.J. Biol. Chem. 275:7894-7901(2000).