

RNF114 / ZNF313 Antibody (aa1-228)
Rabbit Polyclonal Antibody
Catalog # ALS16904**Specification**

RNF114 / ZNF313 Antibody (aa1-228) - Product Information

Application	IHC, ICC, WB
Primary Accession	O9Y508
Other Accession	55905
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	25694

RNF114 / ZNF313 Antibody (aa1-228) - Additional Information**Gene ID** 55905**Other Names**

RNF114, PSORS12, Ring finger protein 114, Zinc finger protein 313, ZNF228, ZNF313, Zinc finger protein 228

Target/Specificity

Human RNF114

Reconstitution & Storage

0.1 M Tris-glycine, pH 7.0, 10% glycerol, 0.01% Thimerosal. Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Precautions

RNF114 / ZNF313 Antibody (aa1-228) is for research use only and not for use in diagnostic or therapeutic procedures.

RNF114 / ZNF313 Antibody (aa1-228) - Protein Information**Name** RNF114**Synonyms** ZNF228, ZNF313**Function**

E3 ubiquitin-protein ligase that promotes the ubiquitination of various substrates (PubMed:[23645206](http://www.uniprot.org/citations/23645206), PubMed:[25165885](http://www.uniprot.org/citations/25165885)). In turn, participates in the regulation of many biological processes including cell cycle, apoptosis, osteoclastogenesis as well as innate or adaptive immunity (PubMed:[25165885](http://www.uniprot.org/citations/25165885), PubMed:[28708287](http://www.uniprot.org/citations/28708287)). Acts as a

negative regulator of NF-kappa-B-dependent transcription by promoting the ubiquitination and stabilization of the NF-kappa-B inhibitor TNFAIP3 (PubMed:25165885). May promote the ubiquitination of TRAF6 as well (PubMed:28708287). Acts also as a negative regulator of T-cell activation (PubMed:25165885). Inhibits cellular dsRNA responses and interferon production by targeting MAVS component for proteasomal degradation (PubMed:25165885). Ubiquitinates the CDK inhibitor CDKN1A leading to its degradation and probably also CDKN1B and CDKN1C (PubMed:23645206). This activity stimulates cell cycle G1-to-S phase transition and suppresses cellular senescence. May play a role in spermatogenesis.

Cellular Location

Cytoplasm. Nucleus

Tissue Location

Expressed in numerous tissues, including skin, CD4 lymphocytes and dendritic cells. Highest levels in testis

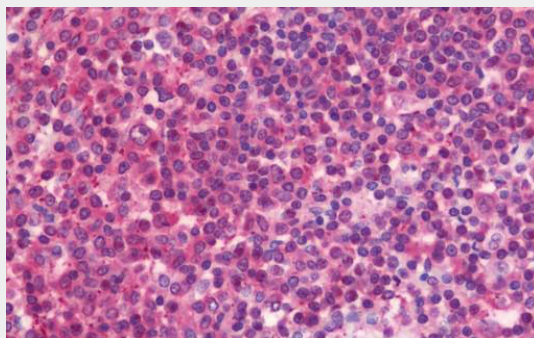
Volume

50 µl

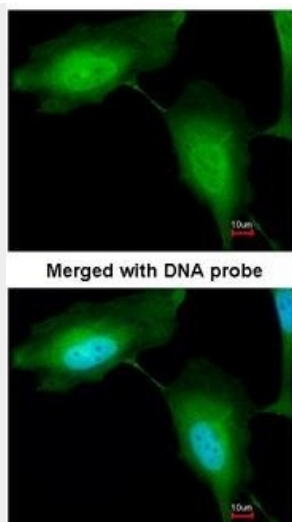
RNF114 / ZNF313 Antibody (aa1-228) - Protocols

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

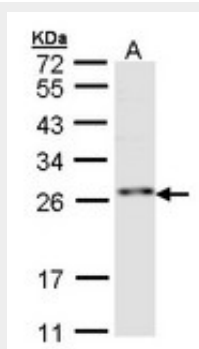
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RNF114 / ZNF313 Antibody (aa1-228) - Images

Anti-RNF114 / ZNF313 antibody IHC staining of human spleen.



Immunofluorescence of paraformaldehyde-fixed HeLa using ZNF313 antibody at 1:200 dilution.



Sample (30 ug of whole cell lysate). A: Hep G2 . 12 % SDS PAGE. RNF114 antibody diluted at 1:1000

RNF114 / ZNF313 Antibody (aa1-228) - Background

E3 ubiquitin-protein ligase promoting the ubiquitination and degradation of the CDK inhibitor CDKN1A and probably also CDKN1B and CDKN1C. These activities stimulate cell cycle's G1-to-S phase transition and suppress cellular senescence. May play a role in spermatogenesis.

RNF114 / ZNF313 Antibody (aa1-228) - References

- Ma Y.-X.,et al.Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao 35:230-237(2003).
- Bechtel S.,et al.BMC Genomics 8:399-399(2007).
- Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
- Ota T.,et al.Nat. Genet. 36:40-45(2004).
- Deloukas P.,et al.Nature 414:865-871(2001).