

RNF25 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13258**Specification**

RNF25 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q96BH1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa KDa

RNF25 Antibody - Additional Information**Gene ID** 64320**Other Names**

E3 ubiquitin-protein ligase RNF25, 6.3.2.-, RING finger protein 25, RNF25

Target/Specificity

Human RNF25.

Reconstitution & Storage

Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions

RNF25 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RNF25 Antibody - Protein Information**Name** RNF25 {ECO:0000303|PubMed:36638793, ECO:0000312|HGNC:HGNC:14662}**Function**

E3 ubiquitin-protein ligase that plays a key role in the RNF14-RNF25 translation quality control pathway, a pathway that takes place when a ribosome has stalled during translation, and which promotes ubiquitination and degradation of translation factors on stalled ribosomes (PubMed: [36638793](http://www.uniprot.org/citations/36638793), PubMed: [37651229](http://www.uniprot.org/citations/37651229), PubMed: [37951216](http://www.uniprot.org/citations/37951216)). Catalyzes ubiquitination of RPS27A in response to ribosome collisions, promoting activation of RNF14 (PubMed: [36638793](http://www.uniprot.org/citations/36638793)). RNF25 catalyzes ubiquitination of other ribosomal proteins on stalled ribosomes, such as RPL0, RPL1, RPL12, RPS13 and RPS17 (PubMed: [36638793](http://www.uniprot.org/citations/36638793)). Also involved in ubiquitination and degradation of stalled ETF1/eRF1 (PubMed: [36638793](http://www.uniprot.org/citations/36638793), PubMed: [37651229](http://www.uniprot.org/citations/37651229)). Independently of its function in the response to stalled

ribosomes, mediates ubiquitination and subsequent proteasomal degradation of NKD2 (By similarity). May also stimulate transcription mediated by NF-kappa-B via its interaction with RELA/p65 (PubMed:12748188).

Cellular Location

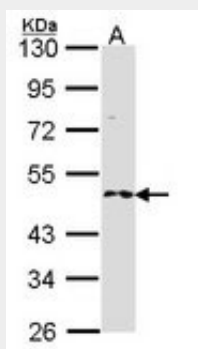
Cytoplasm {ECO:0000250|UniProtKB:Q7SXJ6}.

RNF25 Antibody - Protocols

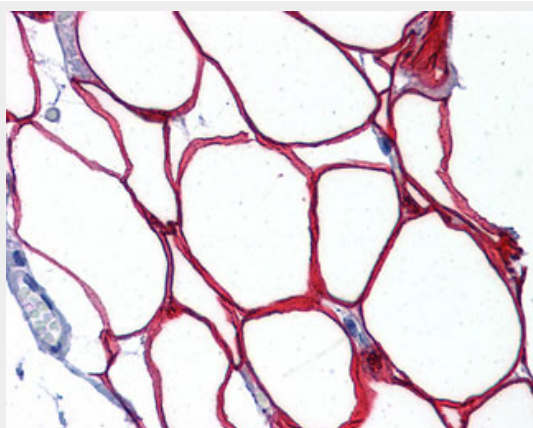
Provided below are standard protocols that you may find useful for product applications.

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

RNF25 Antibody - Images



Sample (30 ug of whole cell lysate). A: H1299. 10% SDS PAGE. RNF25 antibody diluted at 1:1000.



Anti-RNF25 antibody IHC of human adipocytes.

RNF25 Antibody - Background

E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation

of NKD2 (By similarity). Stimulates transcription mediated by NF-kappa-B.

RNF25 Antibody - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Asamitsu K.,et al.J. Biol. Chem. 278:26879-26887(2003).