

RNF25 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12255**Specification****RNF25 antibody - middle region - Product Information**

Application	IHC, WB
Primary Accession	O96BH1
Other Accession	NM_022453 , NP_071898
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa KDa

RNF25 antibody - middle region - Additional Information**Gene ID** 64320**Alias Symbol** **AO7, FLJ13906****Other Names**

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-RNF25 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

RNF25 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

RNF25 antibody - middle region - 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, PubMed:37651229, PubMed:37951216). Catalyzes ubiquitination of RPS27A in response to ribosome collisions, promoting activation of RNF14

(PubMed:36638793). RNF25 catalyzes ubiquitination of other ribosomal proteins on stalled ribosomes, such as RPL0, RPL1, RPL12, RPS13 and RPS17 (PubMed:36638793). Also involved in ubiquitination and degradation of stalled ETF1/eRF1 (PubMed:36638793, PubMed:37651229). Independently of its function in the response to stalled ribosomes, mediates ubiquitination and subsequent proteasomal degradation of NDK2 (By similarity). May also stimulate transcription mediated by NF-kappa-B via its interaction with RELA/p65 (PubMed:12748188).

Cellular Location

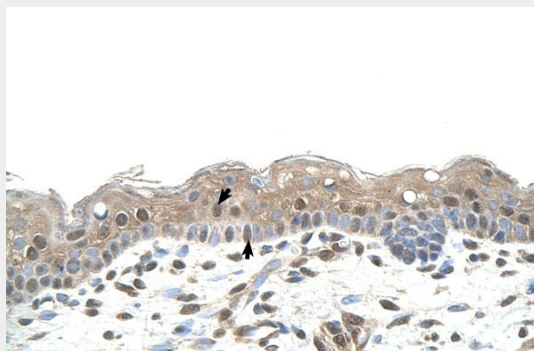
Cytoplasm {ECO:0000250|UniProtKB:Q7SXJ6}.

RNF25 antibody - middle region - Protocols

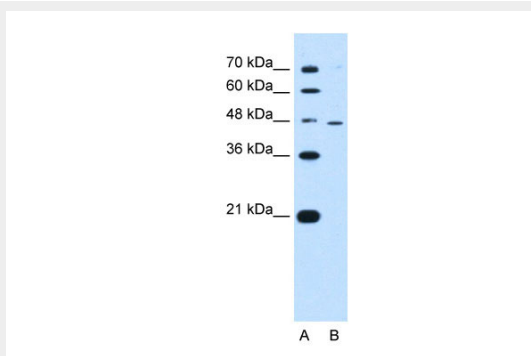
Provided below are standard protocols that you may find useful for product applications.

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

RNF25 antibody - middle region - Images



Human Skin



WB Suggested Anti-RNF25 Antibody Titration: 0.5 µg/ml

Positive Control: HepG2 cell lysate

RNF25 is supported by BioGPS gene expression data to be expressed in HepG2

RNF25 antibody - middle region - References

Asamitsu, K., (2003) J. Biol. Chem. 278(29), 26879-26887 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.