

## anti- UBA52 antibody

### Product Information

Catalog No.:	FNab09145
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Ubiquitin: Exists either covalently attached to another protein, or free(unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond either as a monomer(monoubiquitin), a polymer linked via different Lys residues of the ubiquitin(polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin(linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-6-linked may be involved in DNA repair; Lys-11-linked is involved in ERAD(endoplasmic reticulum-associated degradation) and in cell-cycle regulation; Lys-29-linked is involved in lysosomal degradation; Lys-33-linked is involved in kinase modification; Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, DNA-damage responses as well as in signaling processes leading to activation of the transcription factor NF-kappa-B. Linear polymer chains formed via attachment by the initiator Met lead to cell signaling. Ubiquitin is usually conjugated to Lys residues of target proteins, however, in rare cases, conjugation to Cys or Ser residues has been observed. When polyubiquitin is free(unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling. 60S ribosomal protein L40: Component of the 60S subunit of the ribosome. Ribosomal protein L40 is essential for translation of a subset of cellular transcripts, and especially for cap-dependent translation of vesicular stomatitis virus mRNAs.

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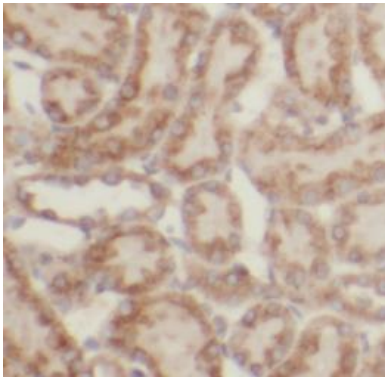
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**Immunogen information**

Immunogen: ubiquitin A-52 residue ribosomal protein fusion product 1  
Synonyms: UBA52, UBCEP2, HUBCEP52, CEP52, RPL40  
Observed MW: 118 kDa  
Uniprot ID : P62987

**Application**

Reactivity: Human, Mouse, Rat  
Tested Application: ELISA, IHC  
Recommended dilution: IHC: 1:20-1:200  
Image:



Immunohistochemical of paraffin-embedded human kidney using FNab09145(UBA52 antibody) at dilution of 1:50

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