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USP35 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14381

Specification

USP35 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q9P2H5
Other Accession	NM_020798, NP_065849
Reactivity	**Human, Mouse, Rat, Rabbit, Goat, Horse, Yeast, Bovine, Dog**
Predicted	**Human, Rat, Rabbit, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**113kDa KDa**

USP35 antibody - C-terminal region - Additional Information

Gene ID 57558

Other Names
Ubiquitin carboxyl-terminal hydrolase 35, 3.4.19.12, Deubiquitinating enzyme 35, Ubiquitin thioesterase 35, Ubiquitin-specific-processing protease 35, USP35, KIAA1372, USP34

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-USP35 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
USP35 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

USP35 antibody - C-terminal region - Protein Information

Name USP35

Synonyms KIAA1372, USP34

Function
Deubiquitinase that plays a role in different processes including cell cycle regulation, mitophagy or endoplasmic reticulum stress (PubMed:26348204, PubMed:29449677, PubMed:37004621). Inhibits TNFalpha-induced NF-kappa-B activation through stabilizing TNIP2 protein via deubiquitination (PubMed:<a

href="http://www.uniprot.org/citations/26348204" target="_blank">26348204). Plays an essential role during mitosis by deubiquitinating and thereby regulating the levels of Aurora B/AURKB protein (PubMed:29449677). In addition, regulates the protein levels of other key component of the chromosomal passenger complex (CPC) such as survivin/BIRC5 or Borealin/CDCA8 by enhancing their stability (PubMed:34438346). Regulates the degradation of mitochondria through the process of autophagy termed mitophagy (PubMed:25915564).

Cellular Location
Cytoplasm. Mitochondrion. Note=Only associates with polarized mitochondria, and rapidly translocates to the cytosol during mitophagy.

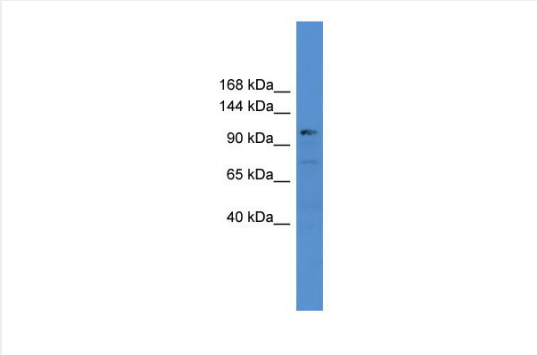
Tissue Location
Expressed in testis, pancreas and skeletal muscle.

USP35 antibody - C-terminal 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 Cytomety
- Cell Culture

USP35 antibody - C-terminal region - Images



WB Suggested Anti-USP35 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Human Muscle

USP35 antibody - C-terminal region - References

Quesada V.,et al.Biochem. Biophys. Res. Commun. 314:54-62(2004).
Nagase T.,et al.DNA Res. 7:65-73(2000).
Taylor T.D.,et al.Nature 440:497-500(2006).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).