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USP35 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14381

Product Information

Application	WB
Primary Accession	Q9P2H5
Other Accession	NM_020798, NP_065849
Reactivity	Human, Mouse, Rat, Rabbit, Goat, Dog, Horse, Bovine, Yeast
Predicted	Human, Rat, Rabbit, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113405

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.

Protein Information

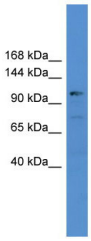
Name	USP35
Synonyms	KIAA1372, USP34
Function	Deubiquitinase that plays a role in different processes including cell cycle regulation, mitophagy or endoplasmic reticulum stress (PubMed:26348204, PubMed:29449677, PubMed:37004621). Inhibits TNFalpha-induced NF-kappa-B activation through stabilizing TNIP2 protein via deubiquitination (PubMed: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.

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.