

Ankrd9 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13474**Specification**

Ankrd9 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q8BH83
Other Accession	NM_175207 , NP_780416
Reactivity	Human, Mouse, Rat, Pig, Bovine, Guinea Pig, Dog
Predicted Host	Mouse, Rat, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 35kDa KDa

Ankrd9 antibody - C-terminal region - Additional Information**Gene ID** 74251**Alias Symbol** 2500003O20Rik**Other Names**

Ankyrin repeat domain-containing protein 9, Ankrd9

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-Ankrd9 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

Ankrd9 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Ankrd9 antibody - C-terminal region - Protein Information**Name** Ankrd9**Function**

Substrate receptor subunit of a cullin-RING superfamily E3 ligase complex (CUL5-based E3 ubiquitin ligase complex) which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Depending of the metabolic state of the cell, promotes the proteasomal degradation of IMPDH2, the rate-limiting enzyme in GTP biosynthesis or protects IMPDH2 by stabilizing IMPDH2 filaments assembly. Implicated in different cellular processes, like copper homeostasis and cell proliferation.

Cellular Location

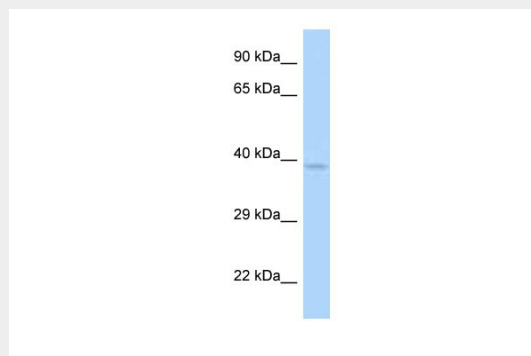
Cytoplasmic vesicle {ECO:0000250|UniProtKB:Q96BM1}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q96BM1}. Note=Detected in long filamentous cytosolic structures where it colocalizes with IMPDH2. Under basal conditions ANKRD9 is mainly in vesicle-like structures, upon nutrient limitation (guanine nucleotides deficiency) ANKRD9 loses its vesicular pattern and assembles with IMPDH2 into rodlike filaments {ECO:0000250|UniProtKB:Q96BM1}

Ankrd9 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 Cytometry](#)
- [Cell Culture](#)

Ankrd9 antibody - C-terminal region - Images



WB Suggested Anti-Ankrd9 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Small Intestine

Ankrd9 antibody - C-terminal region - References

Carninci P., et al. Science 309:1559-1563(2005).