

ANKRD9 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13473**Specification**

ANKRD9 antibody - middle region - Product Information

Application	WB
Primary Accession	O96BM1
Other Accession	NM_152326 , NP_689539
Reactivity	Human, Mouse, Rat, Pig, Bovine, Guinea Pig, Dog
Predicted Host	Human, Mouse, Rat, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 34kDa KDa

ANKRD9 antibody - middle region - Additional Information**Gene ID** 122416**Alias Symbol** MGC21990**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 - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

ANKRD9 antibody - middle 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 (PubMed:[30293565](http://www.uniprot.org/citations/30293565)). 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 (PubMed:[30293565](http://www.uniprot.org/citations/30293565), PubMed:[31337707](http://www.uniprot.org/citations/31337707)). Implicated in

different cellular processes, like copper homeostasis and cell proliferation (PubMed:24522796, PubMed:30293565).

Cellular Location

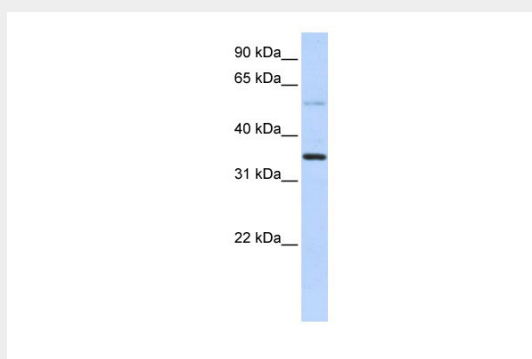
Cytoplasmic vesicle. Cytoplasm, cytosol Note=Detected in long filamentous cytosolic structures where it colocalizes with IMPDH2 (PubMed:31337707). Under basal conditions ANKRD9 is mainly in vesicle-like structures, upon nutrient limitation (guanine nucleotides deficiency) ANKRD9 loses its vesicular pattern and assembles with IMPDH2 into rodlike filaments (PubMed:31337707)

ANKRD9 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](#)

ANKRD9 antibody - middle region - Images



WB Suggested Anti-ANKRD9 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: Transfected 293T

ANKRD9 antibody - middle region - References

Li W.B.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Heilig R.,et al.Nature 421:601-607(2003).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.