

# ANKRD9 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI13473

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q96BM1</a>
<b>Other Accession</b>	<a href="#">NM_152326</a> , <a href="#">NP_689539</a>
<b>Reactivity</b>	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Dog, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	34295

## Additional Information

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<b>Gene ID</b>	122416
<b>Alias Symbol</b>	MGC21990
<b>Other Names</b>	Ankyrin repeat domain-containing protein 9, ANKRD9
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	ANKRD9 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ANKRD9
<b>Function</b>	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: <a href="#">30293565</a> ). 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: <a href="#">30293565</a> , PubMed: <a href="#">31337707</a> ). Implicated in different cellular processes, like copper homeostasis and cell proliferation (PubMed: <a href="#">24522796</a> , PubMed: <a href="#">30293565</a> ).
<b>Cellular Location</b>	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)

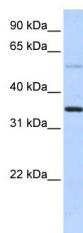
## References

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- 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.

## Images

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WB Suggested Anti-ANKRD9 Antibody Titration: 0.2-1  
µg/ml  
ELISA Titer: 1:62500  
Positive Control: Transfected 293T

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