

#12305 Store at -20°C

Thap11/Ronin Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M	Endogenous	49	Rabbit	#Q96EK4	57215

Product Usage Information

Application

Western Blotting

Dilution

1:1000

Immunoprecipitation

1:100

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.

Specificity / Sensitivity

Thap11/Ronin Antibody recognizes endogenous levels of total Thap11/Ronin protein.

Species predicted to react based on 100% sequence homology:

Rat, Monkey

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human Thap11 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

Thanatos-associated protein (Thap) proteins are a family of cellular factors that are characterized by an evolutionarily conserved protein motif similar to the DNA-binding domain of *Drosophila* P element transposase (1). There are 12 known human Thap proteins that all act as site-specific DNA-binding factors involved in transcriptional regulation, cell proliferation, chromatin modification, and apoptosis (2-4). Human Thap11 has been shown to suppress cell growth through transcriptional suppression of c-Myc (5). The mouse homolog of Thap11, Ronin, has been identified as an essential factor underlying embryogenesis in mouse embryonic stem cells (6).

Background References

1. Roussigne, M. et al. (2003) *Trends Biochem Sci* 28, 66-9.
2. Cayrol, C. et al. (2007) *Blood* 109, 584-94.
3. Macfarlan, T. et al. (2005) *J Biol Chem* 280, 7346-58.
4. Roussigne, M. et al. (2003) *Oncogene* 22, 2432-42.
5. Zhu, C.Y. et al. (2009) *Cell Death Differ* 16, 395-405.
6. Volchegorskii, I.A. et al. *Vopr Med Khim* 37, 86-9.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster
X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse
GP: Guinea Pig Rab: rabbit All: all species expected

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