

Thap11/Ronin Antibody



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

Applications: W, IP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 49	Source/Isotype: Rabbit	UniProt ID: #Q96EK4	Entrez-Gene Id: 57215
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Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
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

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse

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