

Thap11/Ronin Antibody

✓ 100 µl
(10 western blots)



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For Research Use Only. Not For Use In Diagnostic Procedures.

Applications W, IP Endogenous	Species Cross-Reactivity* H, M, (R, Mk)	Molecular Wt. 49 kDa	Source Rabbit**
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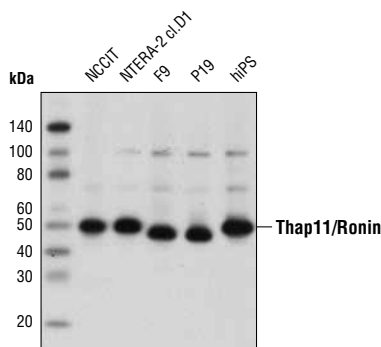
Background: Thanatos-associated protein (Thap) proteins are a family of cellular factors that are characterized by an evolutionarily conserved protein motif similar to the DNA-binding domain of *Drosophila* P element transposase (1). There are 12 known human Thap proteins that all act as site-specific 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).

Specificity/Sensitivity: Thap11/Ronin Antibody recognizes endogenous levels of total Thap11/Ronin protein.

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 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.



Western blot analysis of extracts from various cell lines using Thap11/Ronin Antibody.

Entrez-Gene ID #57215
Swiss-Prot Acc. #Q96EK4

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.

***Species cross-reactivity is determined by western blot.**

****Anti-rabbit secondary antibodies must be used to detect this antibody.**

Recommended Antibody Dilutions:

Western blotting 1:1000
Immunoprecipitation 1:100

For product specific protocols please see the web page for this product at www.cellsignaling.com.

Please visit www.cellsignaling.com for a complete listing of recommended complementary products.

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

Applications Key: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide
Species Cross-Reactivity Key: H—human M—mouse R—rat Hm—hamster Mk—monkey 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 All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.