

**THAP11 Antibody**  
**Catalog # ASC11738****Specification**

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**THAP11 Antibody - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">Q96EK4</a>  |
| Other Accession   | <a href="#">NP_065190</a> , <a href="#">40354197</a>  |
| Reactivity        | Human, Mouse, Rat   |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Isotype           | IgG   |
| Calculated MW     | Predicted: 35 kDa   |
| Application Notes | Observed: 38 kDa KDa<br>THAP11 antibody can be used for detection of THAP11 by Western blot at 1 - 2 µg/ml. |

**THAP11 Antibody - Additional Information**

Gene ID **57215**  
**Target/Specificity**  
THAP11; THAP11 antibody is human, mouse and rat reactive.

**Reconstitution & Storage**

THAP11 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

**Precautions**

THAP11 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**THAP11 Antibody - Protein Information**

**Name** THAP11

**Function**

Transcriptional repressor that plays a central role for embryogenesis and the pluripotency of embryonic stem (ES) cells. Sequence-specific DNA-binding factor that represses gene expression in pluripotent ES cells by directly binding to key genetic loci and recruiting epigenetic modifiers (By similarity).

**Cellular Location**

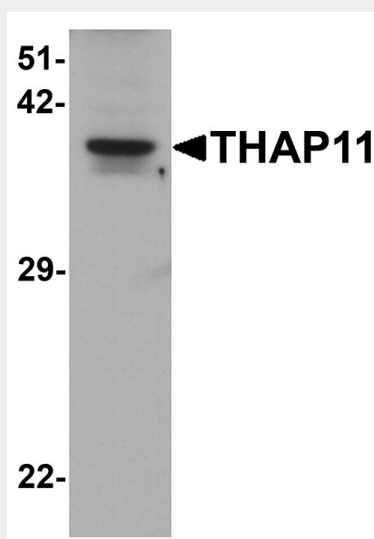
Nucleus. Cytoplasm. Note=May be regulated by shuttling of the protein between the cytoplasm and nucleus.

**THAP11 Antibody - 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](#)

#### **THAP11 Antibody - Images**



Western blot analysis of THAP11 in human brain tissue lysate with THAP11 antibody at 1 µg/ml.

#### **THAP11 Antibody - Background**

The THAP domain-containing protein 11 (THAP11), also known as Ronin, is an essential factor involved in embryonic stem (ES) cell pluripotency and cell growth (1). THAP 11 contains a THAP domain, a conserved DNA-binding domain common to many proteins associated with chromatin modification and gene expression silencing, and has striking similarity to the site-specific DNA-binding domain (DBD) of Drosophila P element transposases (2). THAP11 can also negatively regulate CD44 v6 expression through its interaction with the poly(rC) binding protein PCBP1 (3).

#### **THAP11 Antibody - References**

Dejosez M, Krumenacker JS, Zitour LJ, et al. Ronin is essential for embryogenesis and the pluripotency of mouse ES cells. *Cell* 2008; 133:1162-74.  
Roussigne M, Kossida S, Lavigne AC, et al. The THAP domain: a novel protein motif with similarity to the DNA-binding domain of P element transposase. *Trends Biochem. Sci.* 2003; 28:66-9.  
Lian WX, Yin RH, Kong XZ, et al. THAP11, a novel binding protein of PCBP1, negatively regulates CD44 alternative splicing and cell invasion in a human hepatoma cell line. *FEBS Lett.* 2012; 586:1431-8.