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THAP11 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16197a

Specification

THAP11 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q96EK4
Other Accession	Q9JJD0, A5PKF5, NP_065190.2
Reactivity	**Human**
Predicted	**Bovine, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**34455**
Antigen Region	**67-96**

THAP11 Antibody (N-term) - Additional Information

Gene ID 57215

Other Names
THAP domain-containing protein 11, THAP11

Target/Specificity
This THAP11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67-96 amino acids from the N-terminal region of human THAP11.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
THAP11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

THAP11 Antibody (N-term) - Protein Information

Name THAP11

Function Transcription factor, which has both transcriptional activation and repression activities (PubMed:31905202). Also modulates chromatin accessibility (PubMed:38361031). In complex with HCFC1 and ZNF143, regulates the expression of several genes, including AP2S1, ESCO2, OPHN1, RBL1, UBXN8 and ZNF32 (PubMed:26416877). May regulate the expression of genes that encode both cytoplasmic and mitochondrial ribosomal proteins (By similarity). Required for normal mitochondrial development and function. Regulates mitochondrial gene expression, including that of components of the electron transport chain (By similarity). Involved in the maintainance of pluripotency in early embryonic cells, possibly through its action on mitochondrial maturation which is required to meet high energy demands of these cells (By similarity). Required for early development of retina, preventing premature exit of retinal progenitor cells from the cell cycle. This effect may also be mediated by its action on mitochondria (By similarity). Through the regulation of MMACHC gene expression, controls cobalamin metabolism (PubMed:28449119, PubMed:31905202). Required for normal brain development and neural precursor differentiation (By similarity). Involved in cell growth (PubMed:31905202).

Cellular Location
Nucleus. Cytoplasm Note=In oocytes, detected in the ooplasm, without evidence of its presence in the nucleus (By similarity). Found in the nucleus of undifferentiated embryonic stem cells (PubMed:18585351). Evenly distributed between nucleus and cytoplasm in skin fibroblasts (PubMed:37148549). {ECO:0000250|UniProtKB:Q9JJD0, ECO:0000269|PubMed:18585351, ECO:0000269|PubMed:37148549}

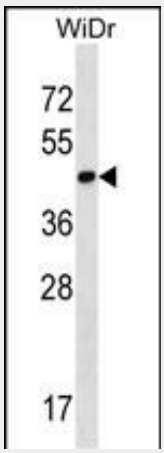
Tissue Location
Expressed in skin fibroblasts.

THAP11 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

THAP11 Antibody (N-term) - Images



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THAP11 Antibody (N-term) (Cat. #AP16197a) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the THAP11 antibody detected the THAP11 protein (arrow).

THAP11 Antibody (N-term) - Background

The protein encoded by this gene contains a THAP domain, which is a conserved DNA-binding domain that has striking similarity to the site-specific DNA-binding domain (DBD) of Drosophila P element transposases.

THAP11 Antibody (N-term) - References

Zhu, C.Y., et al. Cell Death Differ. 16(3):395-405(2009)
Dejosez, M., et al. Cell 133(7):1162-1174(2008)
Roussigne, M., et al. Trends Biochem. Sci. 28(2):66-69(2003)
Ueki, N., et al. Nat. Biotechnol. 16(13):1338-1342(1998)
Li, S.H., et al. Genomics 16(3):572-579(1993)