




Product datasheet

Anti-THAP1 antibody ab222196

1 Image

Overview

Product name	Anti-THAP1 antibody
Description	Rabbit polyclonal to THAP1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cynomolgus monkey, Orangutan 
Immunogen	Recombinant fragment corresponding to Human THAP1 aa 100 to the C-terminus. Database link: Q9NVV9  Run BLAST with  Run BLAST with
Positive control	ICC/IF: RH-30 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

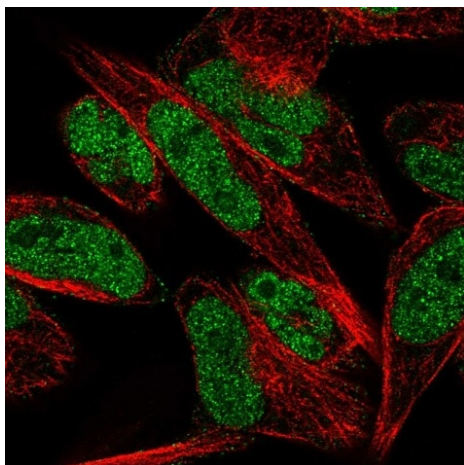
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab222196 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

Target

Function	DNA-binding transcription regulator that regulates endothelial cell proliferation and G1/S cell-cycle progression. Specifically binds the 5'-[AT]NTNN[GT]GGCA[AGT]-3' core DNA sequence and acts by modulating expression of pRB-E2F cell-cycle target genes, including RRM1. May also have pro-apoptotic activity by potentiating both serum-withdrawal and TNF-induced apoptosis.
Involvement in disease	Defects in THAP1 are the cause of dystonia type 6 (DYT6) [MIM:602629]. DYT6 is a primary torsion dystonia. Dystonia is defined by the presence of sustained involuntary muscle contractions, often leading to abnormal postures. Dystonia type 6 is characterized by onset in early adulthood, cranial or cervical involvement in about half of the cases, and frequent progression to involve multiple body regions.
Sequence similarities	Belongs to the THAP1 family. Contains 1 THAP-type zinc finger.
Cellular localization	Nucleus > nucleoplasm. Nucleus > PML body.

Images



PFA-fixed, Triton X-100 permeabilized RH-30 cells stained for THAP1 (green) using ab222196 at 4 µg/ml in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-THAP1 antibody (ab222196)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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