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TRIP13 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12636b

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	Q15645
Other Accession	Q5XHZ9, D3K5L7, Q3UA06, NP_004228.1
Reactivity	Human
Predicted	Mouse, Pig, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17370
Calculated MW	48551
Antigen Region	363-392

Additional Information

Gene ID	9319
Other Names	Pachytene checkpoint protein 2 homolog, Human papillomavirus type 16 E1 protein-binding protein, 16E1-BP, HPV16 E1 protein-binding protein, Thyroid hormone receptor interactor 13, Thyroid receptor-interacting protein 13, TR-interacting protein 13, TRIP-13, TRIP13, PCH2
Target/Specificity	This TRIP13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 363-392 amino acids from the C-terminal region of human TRIP13.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	TRIP13 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRIP13

Synonyms	PCH2
Function	Plays a key role in chromosome recombination and chromosome structure development during meiosis. Required at early steps in meiotic recombination that leads to non-crossovers pathways. Also needed for efficient completion of homologous synapsis by influencing crossover distribution along the chromosomes affecting both crossovers and non-crossovers pathways. Also required for development of higher- order chromosome structures and is needed for synaptonemal-complex formation. In males, required for efficient synapsis of the sex chromosomes and for sex body formation. Promotes early steps of the DNA double-strand breaks (DSBs) repair process upstream of the assembly of RAD51 complexes. Required for depletion of HORMAD1 and HORMAD2 from synapsed chromosomes (By similarity). Plays a role in mitotic spindle assembly checkpoint (SAC) activation (PubMed:28553959).

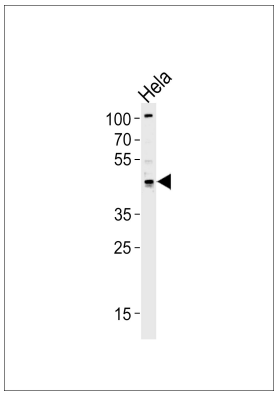
Background

This gene encodes a protein that interacts with thyroid hormone receptors, also known as hormone-dependent transcription factors. The gene product interacts specifically with the ligand binding domain. This gene is one of several that may play a role in early-stage non-small cell lung cancer.

References

Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009)
Kang, J.U., et al. Cancer Genet. Cytogenet. 182(1):1-11(2008)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Kim, H.J., et al. Immunol. Lett. 95(2):155-159(2004)
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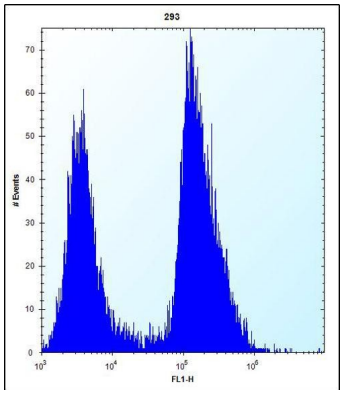
Images



Western blot analysis of lysate from Hela cell line, using TRIP13 Antibody (C-term)(Cat. #AP12636b). AP12636b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



TRIP13 Antibody (C-term) (Cat. #AP12636b)immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TRIP13 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



TRIP13 Antibody (C-term) (Cat. #AP12636b) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.