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TRAPPC2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16270a

Product Information

Application	WB, E
Primary Accession	P0DI81
Other Accession	F1SRI0, Q9CQP2, Q08CN0, Q5ZKP4, Q3T0F2, P0DI82
Reactivity	Human
Predicted	Bovine, Chicken, Zebrafish, Mouse, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35562
Calculated MW	16445
Antigen Region	11-39

Additional Information

Gene ID	6399
Other Names	Trafficking protein particle complex subunit 2, Sedlin, TRAPPC2, SEDL
Target/Specificity	This TRAPPC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-39 amino acids from the N-terminal region of human TRAPPC2.
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	TRAPPC2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TRAPPC2
Synonyms	SEDL
Function	Prevents transcriptional repression and induction of cell death by ENO1 (By

	similarity). May play a role in vesicular transport from endoplasmic reticulum to Golgi.
Cellular Location	Cytoplasm, perinuclear region. Endoplasmic reticulum-Golgi intermediate compartment. Nucleus. Cytoplasm. Note=Localized in perinuclear granular structures.
Tissue Location	Expressed in brain, heart, kidney, liver, lung, pancreas, placenta, skeletal muscle, fetal cartilage, fibroblasts, placenta and lymphocytes.

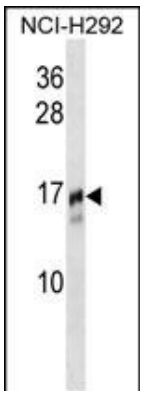
Background

TRAPPC2 is thought to be part of a large multi-subunit complex involved in the targeting and fusion of endoplasmic reticulum-to-Golgi transport vesicles with their acceptor compartment. In addition, the encoded protein can bind c-myc promoter-binding protein 1 and block its transcriptional repression capability. Mutations in this gene are a cause of spondyloepiphyseal dysplasia tarda (SEDT). A processed pseudogene of this gene is located on chromosome 19, and other pseudogenes are found on chromosomes 8 and Y.

References

Liu, X., et al. J. Cell. Biochem. 109(6):1129-1133(2010)
Jeyabalan, J., et al. PLoS ONE 5 (5), E10646 (2010) :
Xia, X.Y., et al. Clin. Chim. Acta 410 (1-2), 39-42 (2009) :
Guo, H., et al. J. Genet. 88(1):87-91(2009)
Xiong, F., et al. Eur. J. Hum. Genet. 17(4):510-516(2009)

Images



TRAPPC2 Antibody (N-term) (Cat. #AP16270a) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the TRAPPC2 antibody detected the TRAPPC2 protein (arrow).