10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CCDC6 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19417a

Product Information

Application	WB, E
Primary Accession	Q16204
Other Accession	D3YZP9, NP_005427.2
Reactivity	Human, Mouse
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40538
Calculated MW	53291
Antigen Region	54-82

Additional Information

Gene ID	8030
Other Names	Coiled-coil domain-containing protein 6, Papillary thyroid carcinoma-encoded protein, Protein H4, CCDC6, D10S170, TST1
Target/Specificity	This CCDC6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-82 amino acids from the N-terminal region of human CCDC6.
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	CCDC6 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCDC6
Synonyms	D10S170, TST1

Function	Acts as a structural scaffold that organizes free PP2Ac into a configuration that FBXO42 can recognize and ubiquitinate, leading to its proteasomal degradation (PubMed:41986709). Also interacts independently with PPP4C through a mechanism distinct from FBXO42- mediated ubiquitination (PubMed:41484364).
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton. Note=May be a cytoskeletal protein
Tissue Location	Ubiquitously expressed.

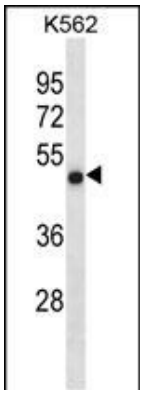
Background

This gene encodes a coiled-coil domain-containing protein. The encoded protein is ubiquitously expressed and may function as a tumor suppressor. A chromosomal rearrangement resulting in the expression of a fusion gene containing a portion of this gene and the intracellular kinase-encoding domain of the ret proto-oncogene is the cause of thyroid papillary carcinoma.

References

Leone, V., et al. Oncogene 29(30):4341-4351(2010)
Richardson, D.S., et al. Cancer Res. 69(11):4861-4869(2009)
Jazdzewski, K., et al. Proc. Natl. Acad. Sci. U.S.A. 105(20):7269-7274(2008)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)

Images



CCDC6 Antibody (N-term)(Cat. #AP19417a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the CCDC6 antibody detected the CCDC6 protein (arrow).

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