CCDC6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CCDC6, Polyclonal Antibody
Full Product Name	CCDC6, NT (CCDC6, D10S170, TST1, Coiled-coil domain-containing protein 6, Papillary thyroid carcinoma-encoded protein, Protein H4) (MaxLight 750)
Product Gene Name	anti-CCDC6 antibody
Product Synonym Names	CCDC6; D10S170; TST1; Coiled-coil domain-containing protein 6; Papillary thyroid carcinoma-encoded protein; Protein H4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	53,291 Da
OMIM	S72869 mRNA
3D Structure	ModBase 3D Structure for Q16204
Immunogen	CCDC6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-82 amino acids from the N-terminal region of human CCDC6.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-CCDC6 antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-CCDC6 antibody	Western Blot (WB), FLISA
Application Notes for anti-CCDC6 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CCDC6 antibody	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.
Product References and Citations for anti-CCDC6 antibody	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).

Other Notes	Small volumes of anti-CCDC6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CCDC6 purchase	MBS6281814 is an antibody targeting CCDC6. Also known as CCDC6, NT (CCDC6, D10S170, TST1, Coiled-coil domain-containing protein 6, Papillary thyroid carcinoma-encoded protein, Protein H4) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCDC6. It may not necessarily be applicable to this product.

NCBI GI #	46852390
NCBI GeneID	8030
NCBI Accession #	NP_005427.2
UniProt Primary Accession #	Q16204
UniProt Secondary Accession #	Q15250; Q6GSG7
UniProt Related Accession #	Q16204
GenBank Nucleotide #	NM_005436.4
NCBI Official Full Name	coiled-coil domain-containing protein 6
NCBI Official Synonym Full Names	coiled-coil domain containing 6
NCBI Official Symbol	CCDC6
NCBI Official Synonym Symbols	H4; PTC; TPC; TST1; D10S170
UniProt Protein Name	Coiled-coil domain-containing protein 6
UniProt Synonym Protein Names	Papillary thyroid carcinoma-encoded protein; Protein H4
Protein Family	Coiled-coil domain-containing protein
UniProt Gene Name	CCDC6
UniProt Synonym Gene Names	D10S170; TST1
NCBI Protein Information	coiled-coil domain-containing protein 6
UniProt Comments for CCDC6	CCDC6: Defects in CCDC6 are a cause of thyroid papillary carcinoma (TPC). TPC is a common tumor of the thyroid that typically arises as an irregular, solid or cystic mass from otherwise normal thyroid tissue. Papillary carcinomas are malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells. A chromosomal aberration involving CCDC6 is found in thyroid papillary carcinomas. Inversion inv(10)(q11.2;q21) generates the RET/CCDC6 (PTC1) oncogene. Protein type: Apoptosis; Cytoskeletal; Oncoprotein Chromosomal Location of Human Ortholog: 10q21.2 Cellular Component: cytoplasm Molecular Function: protein binding; structural constituent of cytoskeleton Disease: Thyroid Carcinoma, Papillary
Research Articles on CCDC6	**1.** Our findings nevertheless suggest that CCDC6-RET fusions identified by multiplex testing are potential targets for nintedanib therapy.

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