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CCDC6 Rabbit pAb

Catalog # AP100216

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q16204
Other Accession	Q16204
Predicted	Rat, Pig, Human, Mouse, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53291
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CCDC6
Epitope Specificity	131-200/474
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
DISEASE	Defects in CCDC6 are a cause of thyroid papillary carcinoma (TPC) [MIM:188550]. 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. Note=A chromosomal aberration involving CCDC6 is found in thyroid papillary carcinomas. Inversion inv(10)(q11.2;q21) generates the RET/CCDC6 (PTC1) oncogene.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.[provided by RefSeq, Sep 2010].

Additional Information

Gene ID	8030
Other Names	D10S170; H4; PTC; PTC1; TPC; TST1; 2810012H18Rik; CCDC6_HUMAN; CCDC6; Papillary thyroid carcinoma-encoded protein; Protein H4; CCDC6_MOUSE; coiled-coil domain containing 6; DNA segment on chromosome 10 (unique) 170; transforming sequence, thyroid-1; DNA segment, single copy, probe pH4 (transforming sequence, thyroid-1; thyroid papillary carcinoma
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

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