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CESK1 Rabbit pAb

Catalog # AP97876

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q96SF2
Other Accession	Q96SF2
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59388
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CESK1
Epitope Specificity	509-557/557
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the TCP-1 chaperonin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CESK1, also known as CCT8L2 (chaperonin containing TCP1, subunit 8 theta-like 2), is a 557 amino acid protein that localizes to the cytoplasm and is thought to function as a molecular chaperone, possibly assisting protein folding after ATP hydrolysis. CESK1 belongs to the TCP-1 chaperonin family and is encoded by a gene which maps to human chromosome 22. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, neurofibromatosis type 2, autism and schizophrenia. Additionally, translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia chromosome and the subsequent production of the novel fusion protein Bcr-Abl, a potent cell proliferation activator found in several types of leukemias.

Additional Information

Gene ID	150160
Other Names	CESK1; TCPQM_HUMAN; CCT8L2; Chaperonin containing T-complex polypeptide 1 subunit 8-like 2; chaperonin containing TCP1 subunit 8 like 2; chaperonin containing TCP1, subunit 8 (theta)-like 2
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	CCT8L2
Synonyms	CESK1
Function	Possible molecular chaperone; assists the folding of proteins upon ATP hydrolysis.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:P40227}.

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