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CSTP1 Rabbit pAb

Catalog # AP97623

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9BRF8
Other Accession	Q9BRF8
Predicted	Rat, Human, Mouse, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35548
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CSTP1
Epitope Specificity	131-314/314
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 metallophosphoesterase superfamily. CPPED1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CSMD3 belongs to the CSMD family and contains fourteen CUB domains and twenty eight Sushi (CCP/SCR) domains. It is weakly expressed in most tissues, except in brain; expressed at intermediate level in brain, including cerebellum, substantia nigra, thalamus, spinal cord, hippocampus and fetal brain. Also expressed in testis. There are five named isoforms.

Additional Information

Gene ID	55313
Other Names	CSTP1; CPPED_HUMAN; CPPED1; Calcineurin-like phosphoesterase domain-containing protein 1; Complete S-transactivated protein 1; 3.1.3.16; calcineurin like phosphoesterase domain containing 1; calcineurin-like phosphoesterase domain containing 1; complete S transactivated protein 1
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	CPPED1

Synonyms	CSTP1
Function	Protein phosphatase that dephosphorylates AKT family kinase specifically at 'Ser-473', blocking cell cycle progression and promoting cell apoptosis. May play an inhibitory role in glucose uptake by adipocytes.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in subcutaneous adipose tissue.

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