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CHERP Rabbit pAb

Catalog # AP98150

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8IWX8
Other Accession	Q8IWX8
Reactivity	Rat, Mouse
Predicted	Pig, Human, Chicken, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	103702
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CHERP
Epitope Specificity	1-100/916
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 CID domain.Contains 1 G-patch domain.Contains 1 SURP motif repeat.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The regulation of the intracellular concentration of calcium is important for proper maintenance of voltage-gated ion channels which control muscle and nerve function. Calcium homeostasis is regulated by a variety of proteins. CHERP (calcium homeostasis endoplasmic reticulum protein), also known as SRA1, DAN16 or SCAF6, is a 916 amino acid protein that localizes to the cytoplasm and the endoplasmic reticulum (ER). Expressed in pancreas, brain, lung, placenta, liver, kidney, heart and skeletal muscle, CHERP is involved in maintaining calcium homeostasis and plays a role in cell growth and proliferation. CHERP contains one G-patch domain, one RPR domain and one SURP motif and is expressed as two isoforms due to alternative splicing events.

Additional Information

Gene ID	10523
Other Names	DAN16; SCAF6; SRA1; 5730408I11Rik; D8Wsu96e; CHERP_HUMAN; CHERP; ERPROT 213-21; SR-related CTD-associated factor 6; DAN26; CHERP_MOUSE; calcium homeostasis endoplasmic reticulum protein
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	CHERP (HGNC:16930)
Function	Involved in calcium homeostasis, growth and proliferation.
Cellular Location	Cytoplasm. Cytoplasm, perinuclear region. Endoplasmic reticulum. Note=Distributed throughout the cytoplasm and also localizes to the perinuclear region of both human erythroleukemia (HEL) cells and Jurkat cells. Colocalizes with ITPR1
Tissue Location	Expressed in brain, placenta, lung, liver, kidney, pancreas, cardiac and skeletal muscle, and in cultured HEL and Dami cells.

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