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CRTAC1 Rabbit pAb

Catalog # AP98574

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9NQ79
Other Accession	Q9NQ79
Reactivity	Human
Predicted	Rat, Mouse, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71421
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CRTAC1
Epitope Specificity	301-400/661
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 EGF-like domain. Contains 4 FG-GAP repeats.
Post-translational modifications	O-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CRTAC1 is a 661 amino acid secreted protein. CRTAC1 is O-glycosylated and contains one EGF-like domain and four FG-GAP repeats. Up-regulated in mesenchymal stem cells undergoing chondrogenic differentiation and also by growth factor BMP-4, CRTAC1 is found in the interterritorial matrix of articular deep zone cartilage. CRTAC1 is expressed as three isoforms produced by alternative splicing events. All isoforms are expressed in bone, cartilage and lung, while isoforms 1 and 2 are expressed in the brain. The gene that encodes CRTAC1 maps to human chromosome 10, which contains over 800 genes and 135 million nucleotides, making up nearly 4.5% of the human genome.

Additional Information

Gene ID	55118
Other Names	CRAC1_HUMAN; CRTAC1; 68 kDa chondrocyte-expressed protein (CEP-68); ASPIC; ASPIC1; CEP68; cartilage acidic 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	CRTAC1
Synonyms	ASPIC1, CEP68
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Expressed in the interterritorial matrix of articular deep zone cartilage (at protein level). Isoform 1 and isoform 2 are expressed in brain. Isoform 1 is detected in lung and chondrocytes. Detected in cartilage, bone, cultured chondrocytes and lung, and at low levels in heart. Not detected in osteoblasts

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