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Datasheet for ABIN1712028
anti-CRTAC1 antibody (AA 301-400) (HRP)

Overview

Quantity:	100 µL
Target:	CRTAC1
Binding Specificity:	AA 301-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRTAC1 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CRTAC1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep
Purification:	Purified by Protein A.

Target Details

Target:	CRTAC1
Alternative Name:	CRTAC1 (CRTAC1 Products)
Background:	Synonyms: 68 kDa chondrocyte expressed protein, 68 kDa chondrocyte-expressed protein,

Target Details

Acidic secreted protein in cartilage, ASPIC, ASPIC1, Cartilage acidic protein 1, Cartilage acidic protein 1 precursor, CEP 68, CEP-68, CEP68, CRAC1_HUMAN, CRTAC1, Protein CRTAC1-B, W307.

Background: 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.

Gene ID: 55118

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months