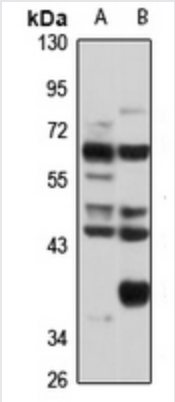
Cornulin (CRNN) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Cornulin (CRNN), Polyclonal Antibody
Full Product Name	Anti-Cornulin Antibody
Product Gene Name	anti-CRNN antibody
Product Synonym Names	C1orf10; DRC1; PDRC1; SEP53; Cornulin; 53 kDa putative calcium-binding protein; 53 kDa squamous epithelial-induced stress protein; 58 kDa heat shock protein; Squamous epithelial heat shock protein 53; Tumor-related protein
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of Cornulin protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	53,533 Da
OMIM	611312
3D Structure	ModBase 3D Structure for Q9UBG3
Immunogen	Recombinant fusion protein of human Cornulin. The exact sequence is proprietary.
Applications Tested/Suitable for anti-CRNN antibody	Western Blot (WB)
Application Notes for anti-CRNN antibody	WB: 1:500-1:2000
Related Product Information for anti-CRNN antibody	MBS8306372 is an antibody targeting CRNN. Also known as Anti-Cornulin Antibody. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal antibody to Cornulin
Other Notes	Small volumes of anti-CRNN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CRNN antibody
Western blot analysis of Cornulin expression in HEK293T (A), mouse kidney (B) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRNN. It may not necessarily be applicable to this product.

NCBI GI #	7706635
NCBI GeneID	49860
NCBI Accession #	NP_057274.1
UniProt Primary Accession #	Q9UBG3
UniProt Secondary Accession #	Q8N613; B2RE60
UniProt Related Accession #	Q9UBG3
GenBank Nucleotide #	NM_016190.2
NCBI Official Full Name	cornulin
NCBI Official Synonym Full Names	cornulin
NCBI Official Symbol	CRNN
NCBI Official Synonym Symbols	DRC1; PDRC1; SEP53; C1orf10
UniProt Protein Name	Cornulin
UniProt Synonym Protein Names	53 kDa putative calcium-binding protein; 53 kDa squamous epithelial-induced stress protein; 58 kDa heat shock protein; Squamous epithelial heat shock protein 53; Tumor-related protein
Protein Family	Cornulin
UniProt Gene Name	CRNN
UniProt Synonym Gene Names	C1orf10; DRC1; PDRC1; SEP53
UniProt Entry Name	CRNN_HUMAN
NCBI Protein Information	cornulin; 53 kDa putative calcium-binding protein; 53 kDa squamous epithelial-induced stress protein; 58 kDa heat shock protein; squamous epithelial heat shock protein 53; tumor-related protein
NCBI Summary for CRNN	This gene encodes a member of the "fused gene" family of proteins, which contain N-terminus EF-hand domains and multiple tandem peptide repeats. The encoded protein contains two EF-hand Ca2+ binding domains in its N-terminus and two glutamine- and threonine-rich 60 amino acid repeats in its C-terminus. This gene, also known as squamous epithelial heat shock protein 53, may play a role in the mucosal/epithelial immune response and epidermal differentiation. [provided by RefSeq, Jan 2009]

UniProt Comments for CRNN	CRNN: Survival factor that participates in the clonogenicity of squamous esophageal epithelium cell lines, attenuates deoxycholic acid (DCA)-induced apoptotic cell death and release of calcium. When overexpressed in oral squamous carcinom cell lines, regulates negatively cell proliferation by the induction of G1 arrest. Belongs to the S100-fused protein family. Chromosomal Location of Human Ortholog: 1q21 Cellular Component: membrane; cytoplasm Molecular Function: calcium ion binding Biological Process: cell-cell adhesion; response to heat
Research Articles on CRNN	**1.** Loss of CRNN expression correlated with advanced tumor length, greater tumor invasion depth, lymph node metastasis, and poor survival in patients with esophageal squamous cell carcinoma.
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