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CRNN Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9147c

Specification

CRNN Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9UBG3

CRNN Antibody (Center) Blocking Peptide - Additional Information

Gene ID 49860

Other Names
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, CRNN, C1orf10, DRC1, PDRC1, SEP53

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP9147c was selected from the Center region of human CRNN. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CRNN Antibody (Center) Blocking Peptide - Protein Information

Name CRNN

Function
Promotes cell proliferation, G1/S cell cycle progression and induces expression of the cell cycle regulator CCND1 (PubMed:30009832). Regulates proliferation induced by pro-inflammatory cytokine response via activation of NFKB1 and PI3K/AKT signaling pathways (PubMed:30009832).

Cellular Location
Cytoplasm. Note=Does not colocalize with TGM1

Tissue Location

Expressed in the basal skin layer (at protein level) (PubMed:30009832). Squamous epithelia cell-specific. Expressed in the esophagus (periphery of the cells of the granular and the upper spinous layers), foreskin (granular and lower cornified cells), scalp skin (granular layer), inner root sheath of the hair follicle and in primary keratinocytes (at protein level). Expressed in the squamous epithelium of the cervix, esophagus, foreskin and larynx. Expressed in the fetal bladder and scalp skin. Expressed at very low levels in the lung, kidney, uterus, skeletal muscle, heart and fetal brain Undetectable or barely detectable in esophageal and oral squamous cell carcinoma compared with the matched adjacent normal esophageal mucosa Undetectable or barely detectable in larynx and esophagus from patients with pH-documented laryngopharyngeal reflux (LPR)

CRNN Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

CRNN Antibody (Center) Blocking Peptide - Images

CRNN Antibody (Center) Blocking Peptide - Background

CRNN is 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.

CRNN Antibody (Center) Blocking Peptide - References

Molina H., et.al., Proc. Natl. Acad. Sci. U.S.A. 104:2199-2204(2007).Luthra M.G., et.al., Clin. Cancer Res. 13:912-919(2007).