

Cornulin Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58325

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9UBG3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53533

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
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	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)

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