

## Product datasheet for **CF811824**

### Cornulin (CRNN) Mouse Monoclonal Antibody [Clone ID: OTI4B8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4B8
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CRNN (NP_057274) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53.4 kDa
Gene Name:	cornulin
Database Link:	<a href="#">NP_057274</a> <a href="#">Entrez Gene 49860 Human</a> <a href="#">Q9UBG3</a>



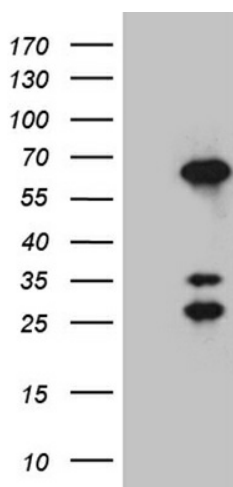
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**Background:**

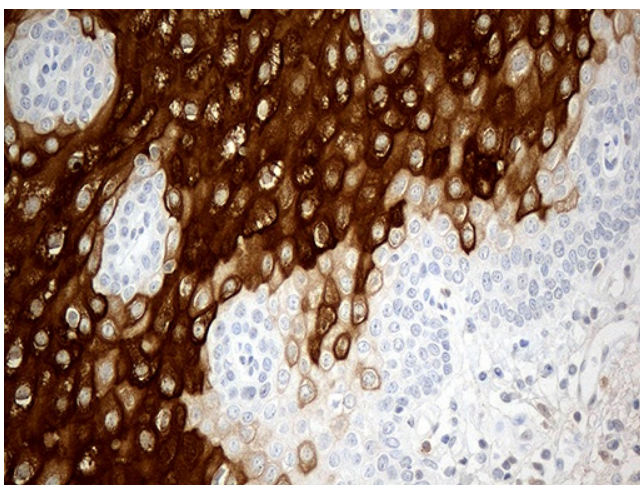
This gene encodes a member of the 'fused gene' family of proteins, which contain N-terminus EF-hand domains and multiple tandem peptide repeats. The encoded protein contains two EF-hand Ca<sup>2+</sup> binding domains in its N-terminus and two glutamine- and threonine-rich 60 amino acid repeats in its 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]

**Synonyms:**

C1orf10; DRC1; PDRC1; SEP53

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CRNN (Cat# [RC204641], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CRNN (Cat# [TA811824])(1:2000). Positive lysates [LY414135] (100ug) and [LC414135] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human esophagus within the normal limits using anti-CRNN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811824]) (1:500)