

For Research Use Only

CRNN Polyclonal antibody

Catalog Number: 11799-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

11799-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2374

GenBank Accession Number:

BC030807

GeneID (NCBI):

49860

UNIPROT ID:

Q9UBG3

Full Name:

cornulin

Calculated MW:

495 aa, 54 kDa

Observed MW:

70 kDa, 58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, HepG2 cells

IHC : human oesophagus tissue, human cervical cancer tissue, human skin tissue

Background Information

Cornulin, also known as C1orf10, is a member of the "fused gene" family of proteins, which contain N-terminus EF-hand domains and multiple tandem peptide repeats. It may play a role in the mucosal/epithelial immune response and epidermal differentiation. Specific to squamous epithelia cells, cornulin is expressed in esophagus, primary keratinocytes, scalp skin, foreskin, cervix, larynx, and fetal bladder. It may be a marker of late epidermal differentiation, and is down-regulated in eczema.

Notable Publications

Author	Pubmed ID	Journal	Application
Changji Li	30009832	J Invest Dermatol	WB,IHC
Hsu Po-Kuei PK	24263008	J Thorac Cardiovasc Surg	IHC
Saira Saleem	33889206	Ecanermedicalscience	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

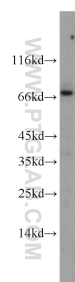
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

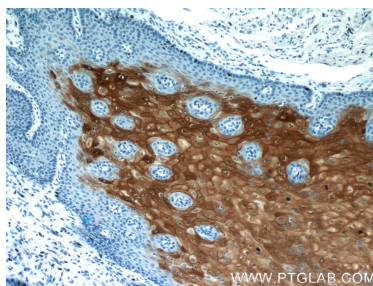
E: proteintech@ptglab.com
W: ptglab.com

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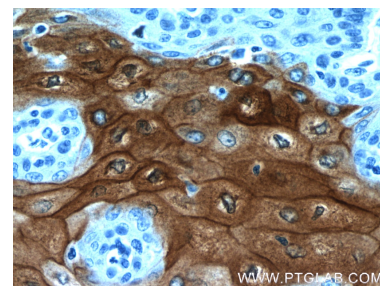
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11799-1-AP (CRNN antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 11799-1-AP (CRNN Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieved with Citric acid buffer, pH6.0.



Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 11799-1-AP (CRNN Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieved with Citric acid buffer, pH6.0.