Overview

Product name: Anti-Cornulin antibody
Description: Rabbit polyclonal to Cornulin
Host species: Rabbit
Tested applications: Suitable for: IHC-P
Species reactivity: Reacts with: Human
Immunogen: Recombinant fragment corresponding to Human Cornulin aa 150-300.
Database link: Q9UBG3

Positive control: IHC-P: Human oral mucosa tissue.

General notes:
The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form: Liquid
Storage buffer: pH: 7.20
Preservative: 0.02% Sodium azide
Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications
Function
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 carcinoma cell lines, regulates negatively cell proliferation by the induction of G1 arrest.

Tissue specificity
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).

Sequence similarities
Belongs to the S100-fused protein family. Contains 1 EF-hand domain.

Domain
The EF-hand is necessary for the colony survival activity to protect cells from death induced by exposure to DCA.

Cellular localization
Cytoplasm. Does not colocalize with TGM1.
Paraffin-embedded human oral mucosa tissue stained for Cornulin with ab224122 (1/50) in immunohistochemical analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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