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KRT13 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6707a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P13646
Other Accession	P08779, P02533
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18903
Calculated MW	49588
Antigen Region	106-138

Additional Information

Gene ID	3860
Other Names	Keratin, type I cytoskeletal 13, Cytokeratin-13, CK-13, Keratin-13, K13, KRT13
Target/Specificity	This KRT13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-138 amino acids from the N-terminal region of human KRT13.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	KRT13 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KRT13 (HGNC:6415)
Function	Structural component of intermediate filaments in mucosal stratified squamous epithelia. Forms heteropolymers with the type II keratin KRT4,

	assembling into keratin intermediate filament networks that provides structural integrity and mechanical stability of the mucosal epithelium (PubMed:7493031). Contributes to postnatal tongue mucosal cell homeostasis and tissue organization in response to mechanical stress, potentially through regulation of the G1/S phase cyclins CCNE1 and CCNE2 (By similarity).
Tissue Location	Expressed in some epidermal sweat gland ducts (at protein level) and in exocervix, esophagus and placenta

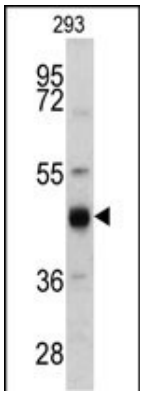
Background

KRT13 is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in its gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus.

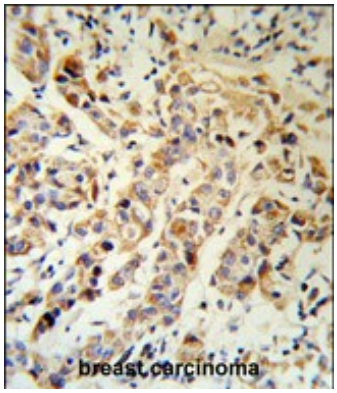
References

Sheng,S., Mol. Cell. Endocrinol. 296 (1-2), 1-9 (2008)

Images

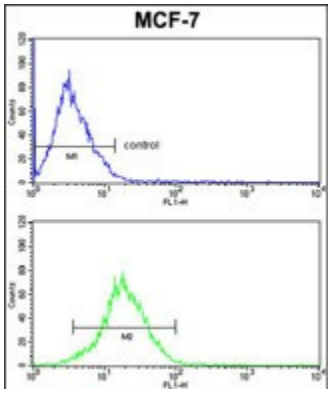


Western blot analysis of KRT13 antibody (N-term) (Cat. #AP6707a) in 293 cell line lysates (35ug/lane). KRT13 (arrow) was detected using the purified Pab.



KRT13 Antibody (N-term) (RB18903) IHC analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KRT13 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

KRT13 Antibody (N-term) (Cat.#AP6707a) FC analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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