10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Cytokeratin 13 Antibody

Catalog # AP51306

Product Information

Application	WB, IHC
Primary Accession	P13646
Reactivity	Human, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49588

Additional Information

Gene ID	3860
Other Names	Keratin, type I cytoskeletal 13; Cytokeratin-13; CK-13; Keratin-13; K13
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Cytokeratin 13. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

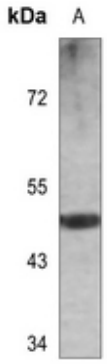
Name	KRT13 (HGNC:6415)
Function	Structural component of intermediate filaments in mucosal stratified squamous epithelia. Forms heteropolymers with the type II keratin KRT4, assembling into keratin intermediate filament networks that provides structural integrity and mechanical stability of the mucosal 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

References

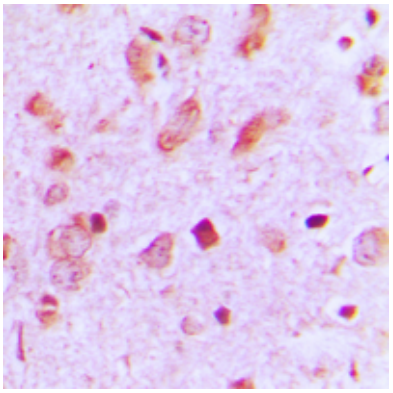
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Mischke D.,et al.Nucleic Acids Res. 17:7984-7984(1989).
Kuruc N.,et al.Differentiation 42:111-123(1989).
Waseem A.,et al.Gene 215:269-279(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



Western blot analysis of Cytokeratin 13 expression in Hela (A) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 52 kD)



Immunohistochemical analysis of Cytokeratin 13 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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