

Anti-Cytokeratin 13 Antibody

Catalog # AP95914

Product Information

Application	WB, IHC, FC
Primary Accession	P13646
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	49588

Additional Information

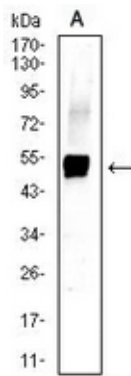
Gene ID	3860
Other Names	Keratin, type I cytoskeletal 13; Cytokeratin-13; CK-13; Keratin-13; K13
Target/Specificity	Recombinant fusion protein of human Cytokeratin 13 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

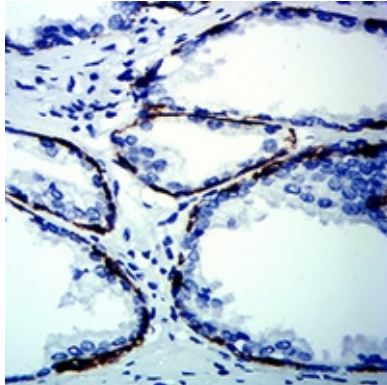
Name	KRT13 (HGNC:6415)
Function	Structural component of intermediate filaments in mucosal stratified squamous epithelia. Forms heteropolymers with the type II keratin KRT4, assembling into keratin intermediate filament networks that provides structural integrity and mechanical stability of the mucosal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

Images

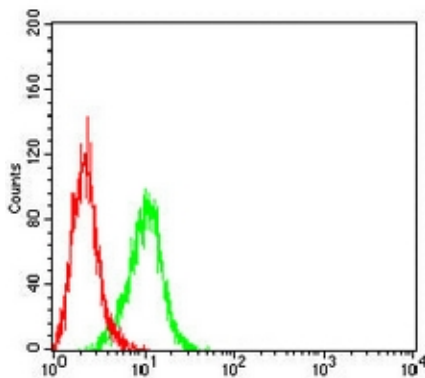
Western blot analysis of Cytokeratin 13 expression in A431 (A) whole cell lysates. (Predicted band size: 50 kD;



Observed band size: 50 kD)



Immunohistochemical analysis of Cytokeratin 13 staining in human prostate cancer 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.



Flow cytometric analysis of A431 cells using Anti-Cytokeratin 13 Antibody (green) and negative control (red).

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