

Product datasheet for **TA309725**

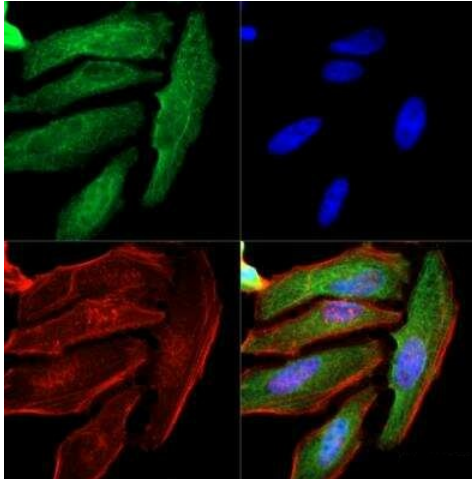
Cytokeratin 1 (KRT1) Mouse Monoclonal Antibody [Clone ID: LHK1]

Product data:

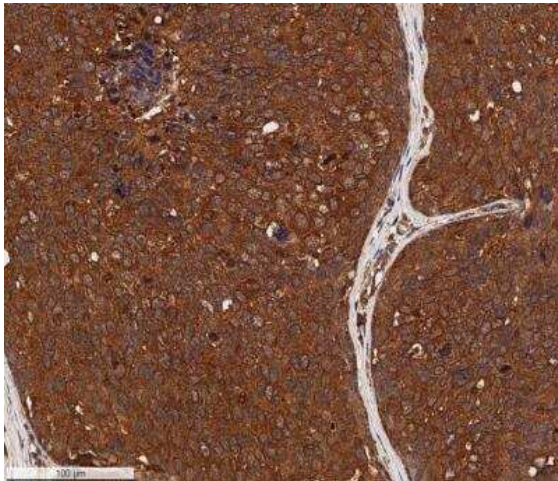
Product Type:	Primary Antibodies
Clone Name:	LHK1
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	Western Blot: 0.5-2 ug/ml, Immunohistochemistry-Frozen: 5-10 ug/ml, Immunocytochemistry/Immunofluorescence: 5 ug/ml, Immunohistochemistry-Paraffin: 2-5 ug/ml, Immunohistochemistry: 2-10 ug/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	Epidermal keratin
Formulation:	Tris-glycine, 150mM NaCl pH 7.5 and 0.05% Sodium Azide
Purification:	IgG purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	keratin 1
Database Link:	NP_006112 Entrez Gene 3848 Human P04264
Synonyms:	CK1; EHK; EHK1; EPPK; K1; KRT1A; NEPPK
Protein Families:	Druggable Genome



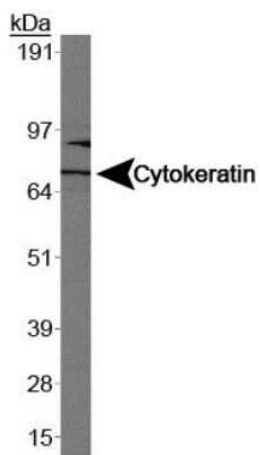
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Product images:

Immunocytochemistry/Immunofluorescence: Cytokeratin 1 Antibody (LHK1) TA309725 - Cytokeratin 1 antibody (LHK1) was tested in HeLa cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red).



Immunohistochemistry-Paraffin: Cytokeratin 1 Antibody (LHK1) TA309725 - IHC analysis of a formalin fixed paraffin-embedded (FFPE) human breast cancer using 5µg/ml conc. of Cytokeratin 1 antibody (clone LHK1) on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images (20X) was performed using Aperio AT2 (Leica Biosystems). A membrane-cytoplasmic staining of Cytokeratin 1 was observed in the cancer cells with signal localized more to the cell membranes. Tumor cores showed a decreased staining and tumor stroma was mostly negative for Cytokeratin 1.



Western Blot: Cytokeratin 1 Antibody (LHK1)
TA309725 - Analysis of Cytokeratin 1 in Caco-2.