

Product datasheet for **TA354346**

Cytokeratin 10 (KRT10) Mouse Monoclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Rat, Feline
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cytoskeletal preparation extracted from human ectocervical epithelium
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	keratin 10
Database Link:	NP_000412 Entrez Gene 450225 Rat Entrez Gene 3858 Human P13645



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Background:

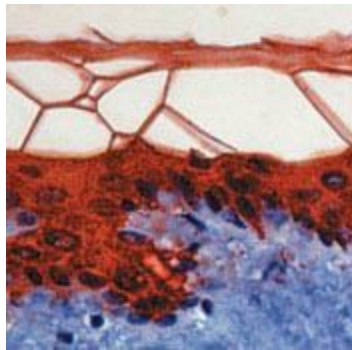
Keratins are the intermediate filament (IF)-forming proteins of epithelial cells. The total number of mammalian keratins has increased to 54, including 28 type I and 26 type II keratins. Cytokeratin-10 (CK-10) is one member of the type I (acidic) subfamily of low molecular weight keratins. It expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK-10 strictly parallels the extent of differentiation; it is absent in the basal layer, appeared in the first suprabasal layers and increased in concentration towards the granular layer. Keratins are extensively used as diagnostic tumor markers, as epithelial malignancies largely maintain the specific keratin patterns associated with their respective cells of origin. Expression of CK-10 is related to maturation of malignant keratinocytes, and it is detected in more-differentiated portion.

Synonyms:

BCIE; BIE; CK10; EHK; K10; KPP

Product images:


WB: The whole cell lysate derived from A431 was immunoprobed by Mouse anti-CK-10 antibody at 1:500. An immunoreactive band is observed around ~56kDa.



Human skin was stained with Mouse Anti-CK-10 antibody, at 1:50 for 10 min at RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.