

Product Datasheet

KRT10 Antibody / Cytokeratin 10 (orb2638754)

Catalog Number	orb2638754
Category	Antibodies
Description	This mAb recognizes a protein of 56.5 kDa, identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK10 strictly parallels the extent of differentiation; it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer. However, CK10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), CK10 is detected very frequently. Expression of CK10 is related to maturation of malignant keratinocytes, being preferentially detected in more-differentiated parts.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human, Mouse
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide
Purity	Protein G affinity chromatography
Immunogen	Recombinant human KRT10 protein was used as the immunogen for the Keratin 10 antibody.
UniProt ID	P13645

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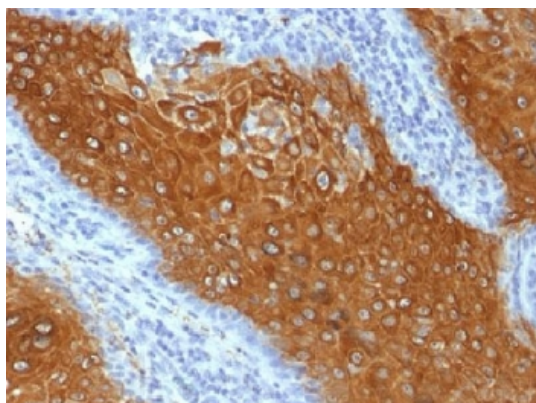
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Tested applications	IHC-P, WB
Dilution range	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Optimal dilution of the Keratin 10 antibody should be determined by the researcher.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	KRT10/844
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
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.
Hazard Information	This Keratin 10 antibody is available for research use only.
Note	For research use only



IHC testing of FFPE human skin with Keratin 10 antibody (clone KRT10/844). Required HIER: boil tissue sections in 10mM citrate buffer, pH6.0, for 10-20 min.

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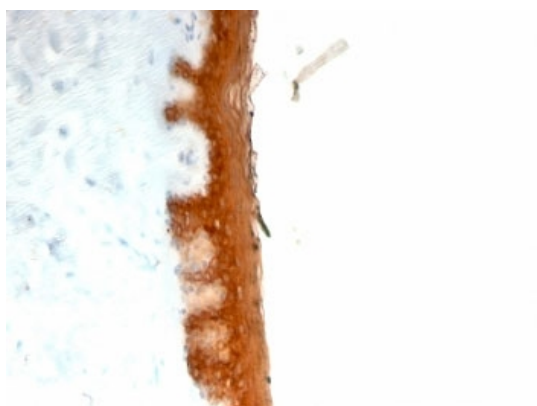
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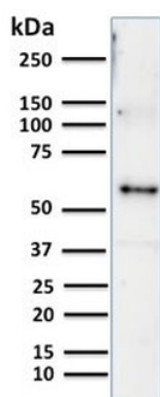
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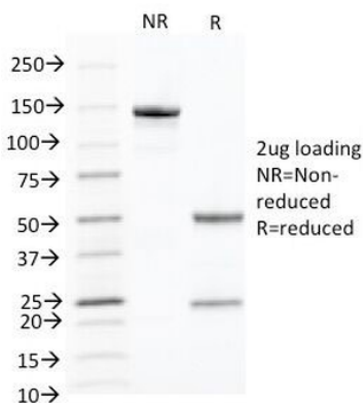
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IHC testing of FFPE human skin with Keratin 10 antibody (clone KRT10/844). Required HIER: boil tissue sections in 10mM citrate buffer, pH6.0, for 10-20 min.



Western blot testing of human thymus lysate with Keratin 10 antibody (clone KRT10/844). Predicted molecular weight ~59 kDa.



SDS-PAGE analysis of purified, BSA-free Keratin 10 antibody (clone KRT10/844) as confirmation of integrity and purity.

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