

Cytokeratin 5 (KRT5) (Basal, Myoepithelial & Mesothelial Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone KRT5/2080]

Catalog No	Format	Size
3852-MSM1-CS0	Culture Supernatant	0.1 ml
3852-MSM1-CS1	Culture Supernatant	0.5 ml

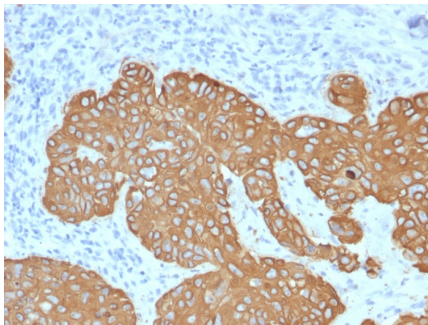
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

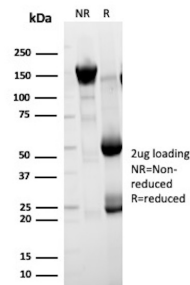
Clone	KRT5/2080
Gene Name	KRT5
Immunogen	Recombinant human Cytokeratin 5 (KRT5) protein fragment (around aa 318-491) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	58kDa
Species Reactivity	Human
Positive Control	Human esophagus, tonsil, cervix, bladder, basal cell or squamous cell carcinoma. MCF-7 or HeLa cells.

**Optimal dilution for a specific application should be determined.*

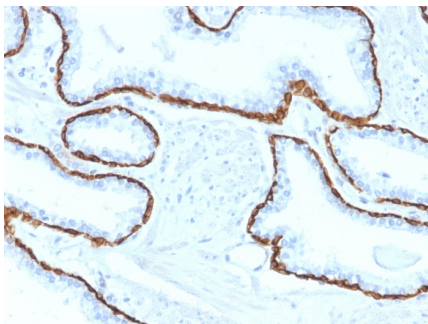
Product Images for Cytokeratin 5 (KRT5) (Basal, Myoepithelial & Mesothelial Cell Marker) Antibody



Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with Cytokeratin 5 (KRT5) Mouse Monoclonal Antibody (KRT5/2080).



SDS-PAGE Analysis of Purified KRT4 Mouse Monoclonal Antibody (KRT5/2080). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 5 (KRT5) Mouse Monoclonal Antibody (KRT5/2080).

Specificity & Comments

This MAb recognizes a protein of 58kDa, which is identified as Cytokeratin 5 (KRT5). This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Antibodies to KRT5 identify basal cells of squamous and glandular epithelia, myoepithelia, and mesothelium. Anti-cytokeratin 5 has been reported useful in the differential diagnosis of metastatic carcinoma in the pleura versus epithelioid mesothelioma. Almost all squamous cell carcinomas, half of transitional carcinomas, and many undifferentiated large cell carcinomas express. Anti-KRT5, along with anti-p63, affords a high sensitivity and specificity for squamous differentiation. Myoepithelial cells of the breast, glandular epithelia, and basal cells of the prostate are labeled with anti-KRT5.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

Tissue culture supernatant with 0.05% Azide. Contact us if you require it in a different format.

Storage and Stability

Store at 2 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Basal Cell Marker, Developmental Biology
