Recombinant Cytokeratin, pan (Epithelial Marker) Antibody

Rabbit Monoclonal Antibody [Clone KRTH/1576R + KRTL/1577R]

Catalog No	Format	Size
RBM23-1600-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
RBM23-1600-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
RBM23-1600-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

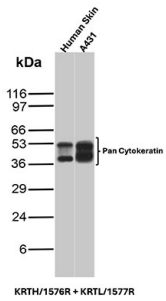
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

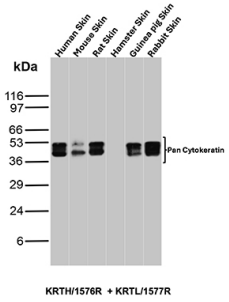
Clone	KRTH/1576R + KRTL/1577R
Gene Name	KRT77
Immunogen	Recombinant full-length human KRT76 and KRT77 proteins
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	40-67kDa
Species Reactivity	Dog, Guinea Pig, Human, Mouse, Rabbit, Rat
Positive Control	Adeno- or Squamous carcinomas., Skin, A431

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

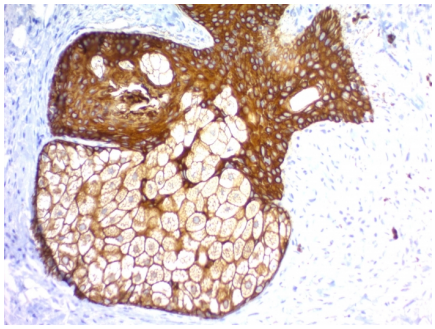
Product Images for Recombinant Cytokeratin, pan (Epithelial Marker) Antibody



Western Blot analysis of Human Skin and A431 lysates using Cytokeratin, pan Recombinant Rabbit Monoclonal Antibody (KRTH/1576R + KRTL/1577R).



Western blot analysis of Human Skin, Mouse Skin, Rat Skin, Hamster Skin, Guinea pig Skin, and Rabbit Skin tissue lysates using Cytokeratin, pan Recombinant Rabbit Monoclonal Antibody (KRTH/1576R + KRTL/1577R).



Formalin-fixed, paraffin-embedded human Skin stained with Pan-Cytokeratin Recombinant Rabbit Monoclonal Antibody (KRTH/1576R + KRTL/1577R).

Specificity & Comments

Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. It is a broad spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It may be useful to characterize the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and has high sensitivity in the recognition of epithelial cells and carcinomas.

Supplied As

200ug/ml of recombinant MAb Purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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.