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Cytokeratin, pan (Epithelial Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone KRTL/1077 + KRTH/1076]
Catalog # AH12903

Specification

Cytokeratin, pan (Epithelial Marker) Antibody - With BSA and Azide - Product Information

Application	**,14,3,4,**
Primary Accession	Q7Z794
Other Accession	374454 (KRT77), 51350 (KRT76), Q01546 (KRT76)Unigene334989 (KRT77), 654392 (KRT76)Human Gene SymbolKRT77, KRT76Hu Chromosome Location17q21.2 (KRT77), 12q13.13 (KRT76)SynonymK1B, KRT1B, K77, CK-1B, Keratin 1B, Keratin-77, Cytokeratin-1B, KRT2B, KRT2P
Reactivity	**Human, Rat**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG's**
Calculated MW	**67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 52kDa (CK8); 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19) KDa**

Cytokeratin, pan (Epithelial Marker) Antibody - With BSA and Azide - Additional Information

Gene ID 374454

Other Names
Keratin, type II cytoskeletal 1b, Cytokeratin-1B, CK-1B, Keratin-77, K77, Type-II keratin Kb39, KRT77, KRT1B

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
Cytokeratin, pan (Epithelial Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Cytokeratin, pan (Epithelial Marker) Antibody - With BSA and Azide - Protein Information

Name KRT77

Synonyms KRT1B

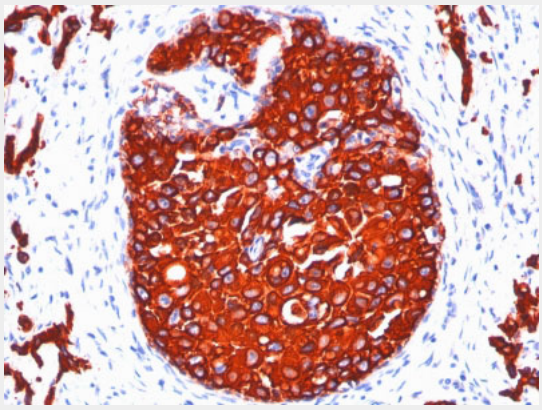
Tissue Location
Expressed exclusively in skin.

Cytokeratin, pan (Epithelial Marker) Antibody - With BSA and Azide - Protocols

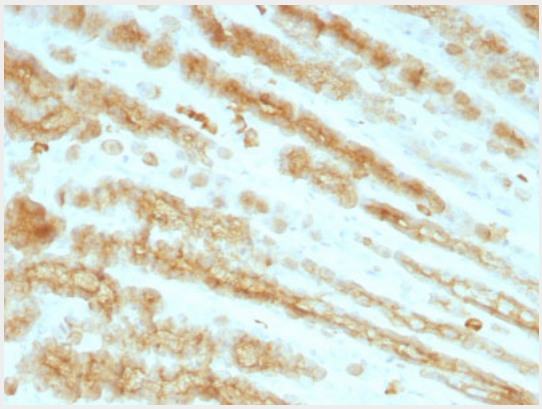
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cytokeratin, pan (Epithelial Marker) Antibody - With BSA and Azide - Images

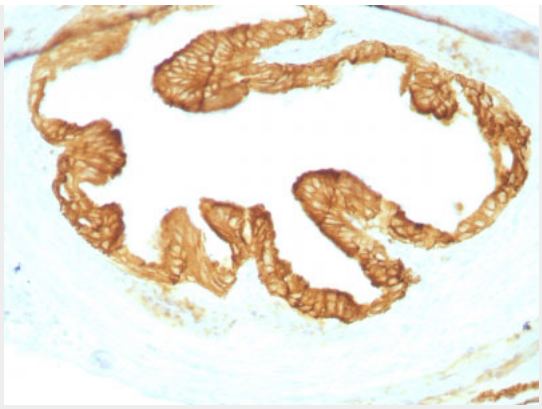


Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).



Formalin paraffin Rat Stomach stained with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).

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Formalin-fixed, paraffin-embedded Rat Oviduct with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).

Cytokeratin, pan (Epithelial Marker) Antibody - With BSA and Azide - Background

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 include CK1, CK3, CK4, CK5, CK6, CK8, CK10, CK14, CK15, CK16, and CK19. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRTL/KRTH 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 has been used 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 shown high sensitivity in the recognition of epithelial cells and carcinomas.

Cytokeratin, pan (Epithelial Marker) Antibody - With BSA and Azide - References

Woodock-Mitchell J et. al. Journal of Cell Biology 1982;95:580-8.,2. Tseng SCG et. al. Cell 1982; 30361