

Cytokeratin, pan (Epithelial Marker) Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone SPM115 + SPM116]
Catalog # AH10955

Specification

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

Application	,1,14,3,4,
Primary Accession	Q7Z794
Other Accession	374454 (KRT77) , 51350 (KRT76) , 334989 (KRT77) , 654392 (KRT76) , Q01546
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Chicken, Bovine, Dog
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

Format

200ug/ml of Ab purified from Bioreactor Concentrate 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

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

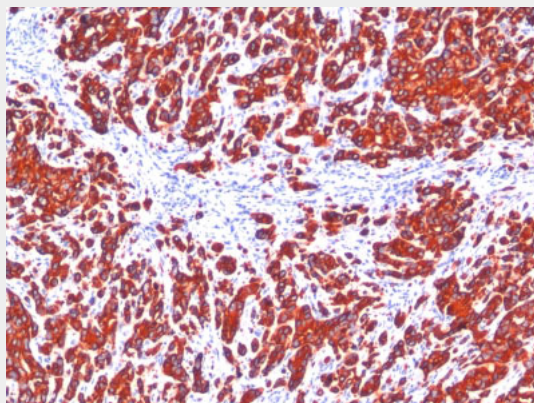
Tissue Location

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 Cytometry](#)
- [Cell Culture](#)

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

Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with pan Cytokeratin Monoclonal Antibody cocktail (SPM115 + SPM116).

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 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.

AE-1/AE-3 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

Tseng SCG et. al. Cell 1982; 30361. | Woodcock-Mitchell J et. al. Journal of Cell Biology 1982;95:580-8