Cytokeratin, pan (Epithelial Marker) Antibody

Rabbit Antibody [Clone MonoPoly/7249R]

Catalog No	Format	Size
RBMP49-7249-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
RBMP49-7249-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
RBMP49-7249-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

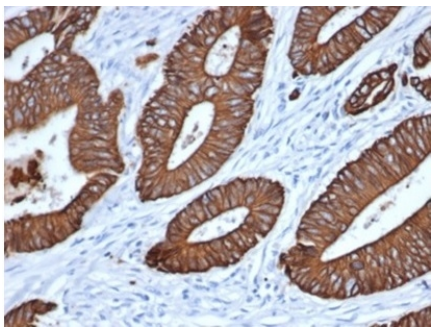
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	MonoPoly/7249R
Gene Name	N/A
Immunogen	Recombinant fragments and/or synthetic peptides of human KRT76 and KRT77 proteins (exact sequences are proprietary)
Host	Rabbit
Clonality	
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	40-67kDa
Cellular Localization	N/A
Species Reactivity	Human
Positive Control	Adeno- or Squamous carcinomas, Skin

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

Product Images for Cytokeratin, pan (Epithelial Marker) Antibody



Formalin-fixed, paraffin-embedded human colon stained with Pan-Cytokeratin Recombinant Rabbit MonoPoly Antibody (MonoPoly/7249R).

Specificity & Comments

MonoPoly antibodies are designed by pooling several monospecific, recombinant monoclonal antibodies against a target. MonoPoly antibodies are a kind of synthetic polyclonal antibodies that can be produced in unlimited quantity with a strict lot-to-lot consistency. These antibodies are highly specific with exquisite sensitivity and a single MonoPoly antibody can be used for a variety ofapplications.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, 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 beuseful 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 Ab purified by Protein A. Prepared in 10mM PBS with0.05% 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