

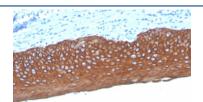
Pan Cytokeratin Antibody Cocktail (Acidic + Basic) [clone MonoPoly/4999R] (V4503)

Catalog No.	Formulation	Size
V4503-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4503-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4503SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

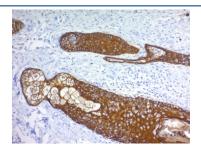
Recombinant RABBIT MONOCLONAL

Bulk quote request

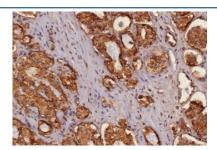
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	MonoPoly/4999R
Purity	Protein A/G affinity
UniProt	Q7Z794, Q01546
Localization	Cytoplasm
Applications	Flow Cytometry: 0.5-1ug/million cells Immunofluorescence: 1-2ug/ml Western Blot: 0.5-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This Pan Cytokeratin antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with Pan Cytokeratin antibody (clone MonoPoly/4999R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human basal cell carcinoma with Pan Cytokeratin antibody (clone MonoPoly/4999R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human prostate carcinoma tissue with Pan Cytokeratin antibody (clone MonoPoly/4999R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

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 of applications.

This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67kDa (CK1); 64kDa (CK3); 59kDa (CK4); 58kDa (CK5); 56kDa (CK6); 55kDa (CK7); 52kDa (CK8); 56.5kDa (CK10); 53kDa (CK13); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 46kDa (CK17); 45kDa (CK18), 40kDa (CK19) and 46kDa (CK20). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. This antibody 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 is useful in characterizing 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.

Application Notes

Optimal dilution of the Pan Cytokeratin antibody should be determined by the researcher.

Immunogen

Recombinant fragments and/or synthetic peptides of human Cytokeratin proteins were used as the immunogen for the Pan Cytokeratin antibody.

Storage

Aliquot the Pan Cytokeratin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.