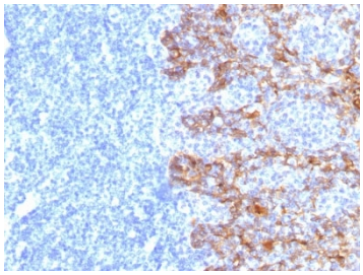
Acidic Cytokeratin Antibody [clone SPM115] (V7398)

Catalog No.	Formulation	Size
V7398-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7398-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7398SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7398IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM115
Purity	Protein G purified
UniProt	Q7Z794
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Acidic Cytokeratin antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with Acidic Cytokeratin antibody (clone SPM115). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

Description

This MAb recognizes the 56.5kDa (CK10); 50kDa (CK14); 50kDa (CK15); 48kDa (CK16); 40kDa (CK19) keratins of the acidic (Type I or LMW) subfamily. Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. The acidic keratins have molecular weights (MW) of 56.5, 55, 51, 50, 50, 48, 46, 45, and 40kDa. MAb SPM116 recognizes the 65-67, 64, 59, 58, 56, and 52kDa keratins of basic subfamily. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. SPM115/SPM116 is a broad spectrum anti pan-keratin 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.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Acidic Cytokeratin antibody to be titered up or down for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Solubilized keratin extract from human stratum corneum was used as the immunogen for the Acidic Cytokeratin antibody.

Storage

Store the Acidic Cytokeratin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (2)