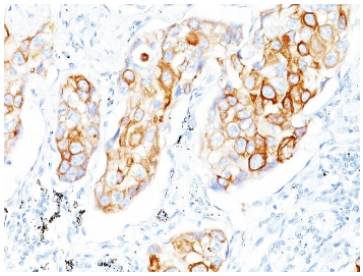
Cytokeratin 7/17 Antibody [clone C-46] (V8298)

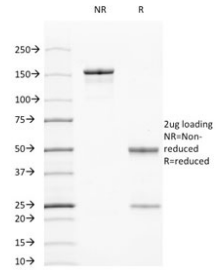
Catalog No.	Formulation	Size
V8298-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8298-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8298SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	C-46
Purity	Protein G affinity chromatography
UniProt	P08729 , Q04695
Localization	Cytoplasmic
Applications	Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml (CK7 + CK17) Immunohistochemistry (FFPE) : 1-2ug/ml (CK7)
Limitations	This Cytokeratin 7/17 antibody is available for research use only.



IHC staining of FFPE human lung small cell carcinoma with Cytokeratin 7/17 antibody (clone C-46). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Cytokeratin 7/17 antibody (clone C-46) as confirmation of integrity and purity.

Description

It recognizes intermediate filament proteins (IFP's) of 55kDa and 46kDa, which are identified as Cytokeratin 7 and Cytokeratin 17 respectively. On formalin-fixed, paraffin embedded sections, C-46 reacts with Keratin 7 only. Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation, which is directly applicable to the characterization of malignant tumors. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Cytokeratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. Cytokeratin 17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. Cytokeratin 17 antibody marks basal cell differentiation.

Application Notes

Optimal dilution of the Cytokeratin 7/17 antibody should be determined by the researcher.

Immunogen

A cytoskeletal preparation from human HeLa cells was used as the immunogen for this Cytokeratin 7/17 antibody.

Storage

Store the Cytokeratin 7/17 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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