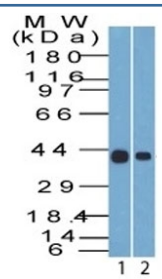
Cytokeratin 19 Antibody [clone A53-B/A2.26] (V2179)

Catalog No.	Formulation	Size
V2179-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2179-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2179SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2179IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

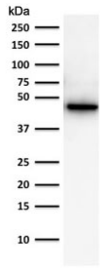
Citations (7)

Bulk quote request

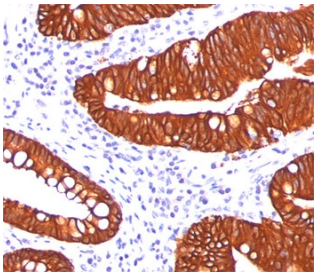
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, lambda
Clone Name	A53-B/A2.26
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	3880
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **Cytokeratin 19 antibody** is available for research use only.



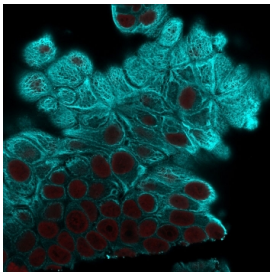
Western blot testing of human 1) HepG2 and 2) MCF7 cell lysate with Cytokeratin 19 antibody (clone A53-B/A2.26). Predicted molecular weight ~43 kDa.



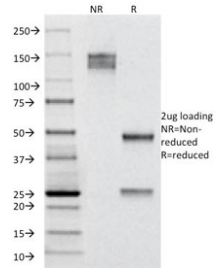
Western blot testing of human PC3 cell lysate using of Cytokeratin 19 antibody (clone A53-B/A2.26). Predicted molecular weight ~43 kDa.



IHC testing of FFPE human colon carcinoma stained with Cytokeratin 19 antibody (clone A53-B/A2.26).



Immunofluorescent staining of MeOH fixed human MCF7 cells with Cytokeratin 19 antibody (clone A53-B/A2.26, blue) and Reddot nuclear stain (red).



SDS-PAGE analysis of purified, BSA-free Cytokeratin 19 antibody (clone A53-B/A2.26) as confirmation of integrity and purity.

Description

This antibody is specific to the rod domain of human Cytokeratin 19 (CK19), a polypeptide of 40kDa. Its epitope maps between amino acid 312-335. Cytokeratin 19 is expressed in sweat gland, mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, and ectocervical epithelium. Cytokeratin 19 antibody reacts with a wide variety of epithelial malignancies including adenocarcinomas of the colon, stomach, pancreas, biliary tract, liver, and breast. Perhaps the most useful application is the identification of thyroid carcinoma of the papillary type, although 50%-60% of follicular carcinomas are also labeled. Cytokeratin 19 antibody is a useful marker for detection of tumor cells in lymph nodes, peripheral blood, bone marrow and breast cancer.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Cytokeratin 19 antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
2. 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

Human breast cancer MCF-7 cells were used as the immunogen for this Cytokeratin 19 antibody.

Storage

Store the Cytokeratin 19 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

k19; k1cs; Keratin 19 Keratin Type i 40kD; krt19, Cytokeratin 19 antibody

References (1)

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