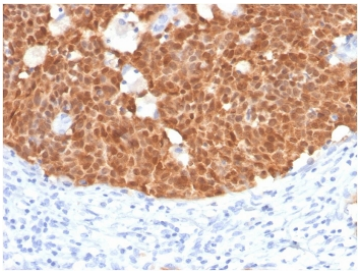
p16INK4a Antibody / CDKN2A [clone CDKN2A/4499] (V8604)

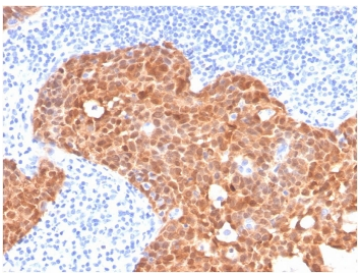
Catalog No.	Formulation	Size
V8604-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8604-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8604SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	CDKN2A/4499
Purity	Protein G affinity chromatography
UniProt	P42771
Localization	Nuclear and cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This p16INK4a antibody is available for research use only.



IHC staining of FFPE human cervix with p16INK4a antibody (clone CDKN2A/4499). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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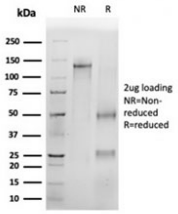

SDS-PAGE analysis of purified, BSA-free p16INK4a antibody (clone CDKN2A/4499) as confirmation of integrity and purity.

Description

p16INK4a is a tumor suppressor protein. It is a specificinhibitor of cdk4/cdk6, and a tumorsuppressor involved inthe pathogenesis of a variety of malignancies. Recentanalyses of the p16INK4a gene revealed homozygousdeletions, nonsense, missense, or frameshift mutations inseveral human cancers. Although the frequency of p16INK4aabnormalities is higher in tumor derived cell lines than inunselected primary tumors, significant subsets of clinicalcases with aberrant p16INK4a gene have been reportedamong melanomas, gliomas, esophageal, pancreatic, lung,and urinary bladdercarcinomas, and some types of leukemia.Expression of p16INK4a (p16 positive) is highly correlatedwith human papilloma virus (HPV) infection in head and necksquamous cell carcinomas (HNSCC). p16 status is animportant prognostic indicator in HNSCC and the p16positive/HPV16 negative group is likely a distinct subgrouplacking any HPV genotype.

Application Notes

Optimal dilution of the p16INK4a antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the p16INK4a antibody.

Storage

Store the p16INK4a 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