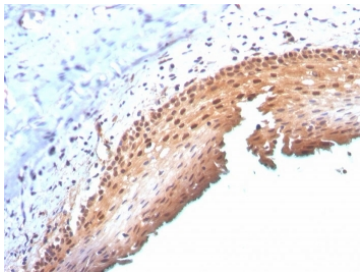
p16INK4a Antibody / CDKN2A [clone CDKN2A/3830] (V8694)

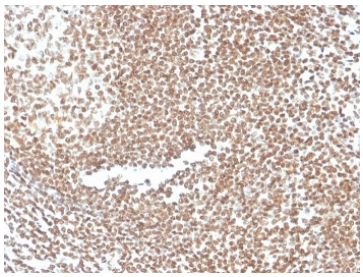
Catalog No.	Formulation	Size
V8694-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8694-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8694SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	CDKN2A/3830
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/3830). 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 colon with p16INK4a antibody (clone CDKN2A/3830). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

p16INK4a is a tumor suppressor protein. It is a specific inhibitor of cdk4/cdk6, and a tumor suppressor involved in the pathogenesis of a variety of malignancies. Recent analyses of the p16INK4a gene revealed homozygous deletions, nonsense, missense, or frameshift mutations in several human cancers. Although the frequency of p16INK4a abnormalities is higher in tumor derived cell lines than in unselected primary tumors, significant subsets of clinical cases with aberrant p16INK4a gene have been reported among melanomas, gliomas, esophageal, pancreatic, lung, and urinary bladder carcinomas, and some types of leukemia. Expression of p16INK4a (p16 positive) is highly correlated with human papilloma virus (HPV) infection in head and neck squamous cell carcinomas (HNSCC). p16 status is an important prognostic indicator in HNSCC and the p16 positive/HPV16 negative group is likely a distinct subgroup lacking 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