Recombinant CDKN2A / p16INK4a / p14ARF Antibody

Rabbit Monoclonal Antibody [Clone CDKN2A/7660R]

Catalog No	Format	Size
1029-RBM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1029-RBM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1029-RBM10-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

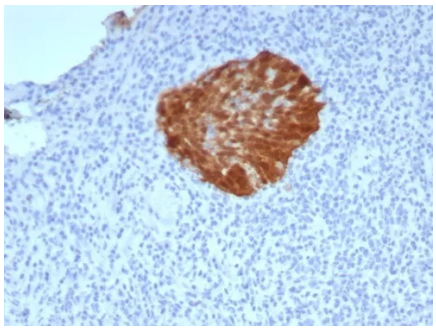
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	CDKN2A/7660R
Gene Name	CDKN2A
Immunogen	Purified recombinant prokaryotic full-length human p16INK4a protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	14kDa
Cellular Localization	Nucleus. Cytoplasm.
Species Reactivity	Human
Positive Control	Human cervical squamous cell carcinoma.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant CDKN2A / p16INK4a / p14ARF Antibody



Formalin-fixed, paraffin-embedded human cervical carcinoma stained with P16INK4a Recombinant Rabbit Monoclonal Antibody (CDKN2A/7660R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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 tumorâ ? ?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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Bladder Cancer, Cardiovascular, Defective Intrinsic Apoptosis, Infectious Disease, Nuclear Marker, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.