

p14ARF Polyclonal Antibody

Catalog NumberPA1-29914

Product data sheet

Details		Species Reactivity	
Size	500 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Frozen) (IHC (F))	1:50-1:100
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Immunogen	Synthetic peptide corresponding to the C-terminal region of Human p14ARF	Western Blot (WB)	Assay-dependent
Conjugate	Unconjugated	Immunocytochemistry (ICC/IF)	Assay-dependent
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Purification	Protein A		
Storage buffer	PBS with 1% BSA		
Contains	0.09% sodium azide		
Storage Conditions	4° C		

Product specific information

Recommended positive controls: Suitable tissue control sections for Immunohistochemistry:Cervical carcinoma or breast fibroadenoma.

Background/Target Information

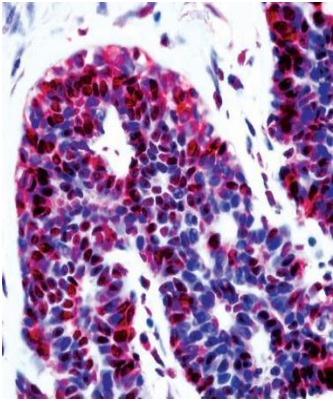
The INK4a locus on chromosome 9p21 is frequently affected in human tumors. It encodes two structurally distinct tumor suppressor proteins, p16INK4a and the alternative reading frame protein, ARF (p14ARF in human and P19ARF in mouse). These two proteins interact with the upstream proteins: retinoblastoma protein and p53 tumor suppressors, respectively. Each of these proteins has a role in the senescence of primary cells, activates pathways for cell cycle control and tumor suppression. The p14ARF (or P19ARF in mouse) proteins can induce both G1 and G2 phase arrest in a manner that depends on functional p53. The mouse and human ARF proteins have different functions in tumor suppression; this distinction may contribute to the different levels of tumor proneness of these species.

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p14ARF Antibody (PA1-29914) in IHC
Immunohistochemistry Image using (Product # PA1-29914) - Detection of p12ARF by Immunohistochemistry in Human Cervical Cancer.

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