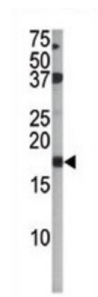
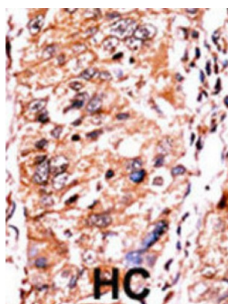


p16-INK4A (pS140) Antibody

Catalogue No.: abx031883



p16-INK4A functions as a stabilizer of the tumor suppressor protein p53 as it can interact with, and sequester, MDM1, a protein responsible for the degradation of p53. This protein acts as a negative regulator of the proliferation of normal cells by interacting strongly with CDK4 and CDK6. This inhibits their ability to interact with cyclins D and to phosphorylate the retinoblastoma protein. The gene for this protein is frequently mutated or deleted in a wide variety of tumors, and is known to be an important tumor suppressor gene.

Target: p16-INK4A (pS140)

Clonality: Polyclonal

Target Modification: Ser140

Modification: Phosphorylation

Reactivity: Human

Tested Applications: ELISA, WB, IHC

Host: Rabbit

Recommended dilutions: WB: 1/1000, IHC-P: 1/50 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Datasheet

Version: 2.0.0
Revision date: 22 Jun 2025



Immunogen:	KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S140 of human p16-INK4A.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by protein G affinity chromatography. Then, the antibody fraction was peptide affinity purified in a 2-step procedure with control and phosphorylated peptides. The phospho-specific antibody was eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P42771 (UniProt , ExPASy)
NCBI Accession:	NP_000068.1, NP_001182061.1, NP_478104.2
KEGG:	hsa:1029
String:	9606.ENSP00000418915
Molecular Weight:	Calculated MW: 16.5 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.