

## p16-INK4a (Phospho-Ser152) Antibody

Catalog No: #12148

Package Size: #12148-1 50ul #12148-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

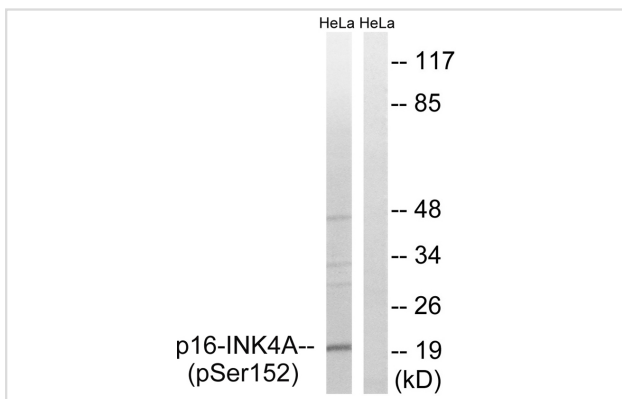
Product Name	p16-INK4a (Phospho-Ser152) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of p16-INK4a only when phosphorylated at serine 152.
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of serine 152 (G-P-S(p)-D-I) derived from Human p16-INK4a.
Target Name	p16-INK4a
Modification	Phospho
Other Names	CD2A1; CDK4I; CDKN2; CDKN2A; CDN2; Cyclin-dependent kinase 4 inhibitor A; cyclin-dependent kinase inhibitor 2A; MTS1; Multiple tumor suppressor 1; p14ARF; p16(INK4a); p16-INK4; P16INK4A
Accession No.	Swiss-Prot#:P42771;NCBI Gene#:1029
Uniprot	P42771
GeneID	1029;
SDS-PAGE MW	20kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

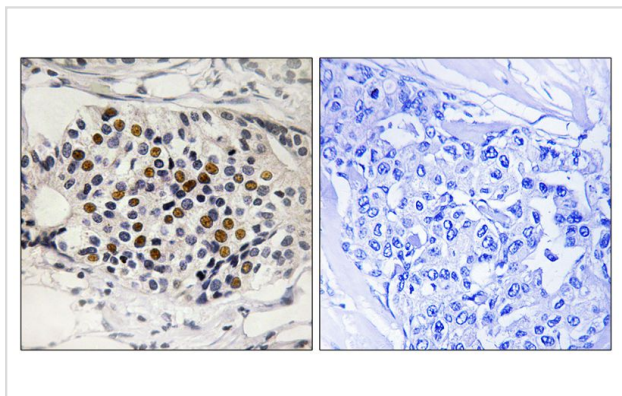
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from HeLa cells, treated with EPO (20U/ml, 15mins), using p16-INK4a (Phospho-Ser152) antibody #12148. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using p16-INK4a (Phospho-Ser152) antibody #12148. The picture on the right is treated with the synthesized peptide.

## Background

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.

Note: This product is for in vitro research use only