Anti- p16-INK4a (Phospho-Ser152) Polyclonal Antibody

Catalog No.	Size
A100362-01	50 µl
A100362-02	100 µl

Specificity	Anti- p16-INK4a (Phospho-Ser152) (human)
Source	Rabbit Polyclonal
Application	WB IHC ELISA
Form	Liquid, 1 mg/ml

Product

Swiss-Prot No.: P42771

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

Specificity and Sensitivity

p16-INK4a (Phospho-Ser152) antibody detects endogenous levels of p16-INK4a only when phosphorylated at serine 152.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human p16-INK4a around the phosphorylation site of serine 152 (G-P-S^{P}-D-I).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000 IHC: 1:50~1:100 ELISA: 1:1000

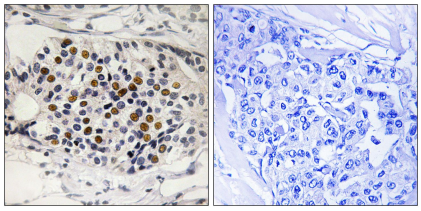
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

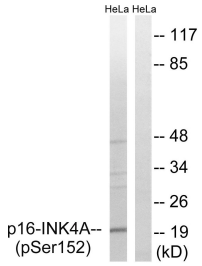
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



P-peptide - +

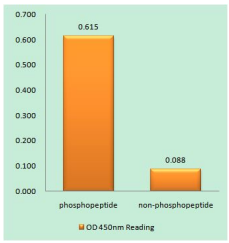
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using p16-INK4a (Phospho-Ser152) antibody.



EPO + +

P-peptide - +

Western blot analysis of extracts from HeLa cells, treated with EPO (20U/ml, 15mins), using p16-INK4a (Phospho-Ser152) antibody.



p16-INK4a (Phospho-Ser152) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nM are shown in the ELISA figure