

Rabbit p15 INK Polyclonal Antibody | anti-CDKN2B antibody

p15 INK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322115	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

p15 INK; Polyclonal Antibody; p15 INK Antibody; CDK inhibitory protein; CDK4B Inhibitor; Cdkn2b; CDN2B_HUMAN; Cyclin dependent kinase 4 inhibitor B; Cyclin Dependent Kinase Inhibitor 2B; Cyclin dependent kinase inhibitor 2B p15 inhibits CDK4; Cyclin dependent kinases 4 and 6 binding protein; Cyclin-dependent kinase 4 inhibitor B; INK4B; MTS 2; MTS-2; MTS2; Multiple tumor suppressor 2; Multiple Tumor Suppressor 2; OTTHUMP00000021154; OTTHUMP00000021155; p14 CDK inhibitor; p14 INK4b; p14-INK4b; P15; p15 CDK inhibitor; p15 inhibits CDK4; p15 INK4b; p15-INK4b; p15INK4B; TP 15; TP15; anti-CDKN2B antibody

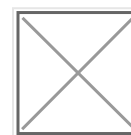
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	p15 INK antibody detects endogenous levels of total p15 INK
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	138
Applicable Applications for anti-CDKN2B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human p15 INK
Tissue Specificity	Isoform 2 is expressed in normal (keratinocytes, fibroblasts) and tumor cell lines.
Predicted Cross Reactivity	Bovine, Horse, Rabbit, Dog
Similarity	Bovine (100%), Horse (88%), Rabbit (94%), Dog (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of p15 INK expression in HeLa cell extract. The lane on the left is treated with the antigen-specific peptide.


WB (Western Blot)

Western blot analysis of extracts of various celllines, using p15 INK Antibody.



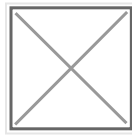
IF (Immunofluorescence)

AAA322115 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IF (Immunofluorescence)

AAA322115 staining LOVO cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



IF (Immunofluorescence)

AAA322115 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN2B antibody

Description: Interacts strongly with CDK4 and CDK6. Potent inhibitor. Potential effector of TGF-beta induced cell cycle arrest.
Subunit Structure: Heterodimer of CDKN2B with CDK4 or CDK6. Isoform 2 does not interact with CDK4 nor CDK6.
Similarity: Belongs to the CDKN2 cyclin-dependent kinase inhibitor family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17981694
NCBI GeneID	1030
NCBI Accession #	NP_004927.2
NCBI GenBank Nucleotide #	NM_004936.3
UniProt Accession #	P42772; O15125; Q6FI09
Molecular Weight	Observed: 15 kDa Predicted: 15 kDa
NCBI Official Full Name	cyclin-dependent kinase 4 inhibitor B isoform 1
NCBI Official Synonym Full Names	cyclin dependent kinase inhibitor 2B
NCBI Official Symbol	CDKN2B
NCBI Official Synonym Symbols	P15; MTS2; TP15; CDK4I; INK4B; p15INK4b
NCBI Protein Information	cyclin-dependent kinase 4 inhibitor B
UniProt Protein Name	Cyclin-dependent kinase 4 inhibitor B
UniProt Gene Name	CDKN2B
UniProt Synonym Gene Names	MTS2; MTS-2; p15INK4B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.