

Rabbit anti-Human p57 Kip2 Polyclonal Antibody | anti-p57Kip2 antibody

Phospho-p57 Kip2 (Thr310) Antibody

CATALOG # AAA329326	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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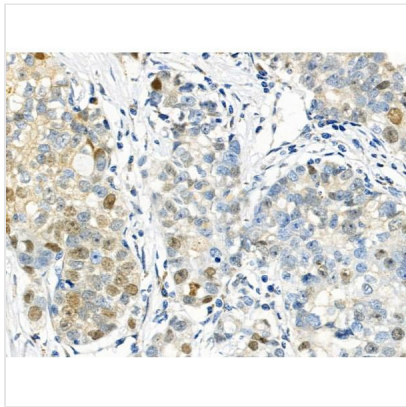
PRODUCT SYNONYMS

p57 Kip2; Polyclonal Antibody; Phospho-p57 Kip2 (Thr310) Antibody; Beckwith Wiedemann syndrome; BWCR; BWS; CDKI; CDKN 1C; CDKN1C; CDN1C_HUMAN; Cyclin dependent kinase inhibitor 1C; Cyclin dependent kinase inhibitor p57; Cyclin-dependent kinase inhibitor 1C; Cyclin-dependent kinase inhibitor p57; KIP 2; KIP2; p57; p57 Kip 2; p57KIP2; WBS; anti-p57Kip2 antibody

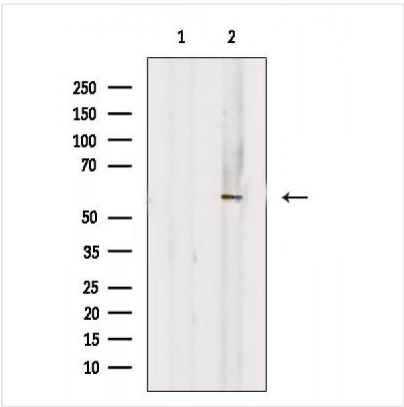
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-p57 Kip2 (Thr310) Antibody detects endogenous levels of p57 Kip2 only when phosphorylated at Thr310. Tissue Specificity: Expressed in the heart, brain, lung, skeletal muscle, kidney, pancreas and testis. Expressed in the eye. High levels are seen in the placenta while low levels are seen in the liver.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-p57Kip2 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human p57 Kip2 around the phosphorylation site of Thr310.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with PCNA.
Similarity	Belongs to the CDI family.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
Staining Human mammary cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Hela cells (serum starvation treatment), using Phospho-p57 Kip2 (Thr310) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-p57Kip2 antibody	Potent tight-binding inhibitor of several G1 cyclin/CDK complexes (cyclin E-CDK2, cyclin D2-CDK4, and cyclin A-CDK2) and, to lesser extent, of the mitotic cyclin B-CDC2. Negative regulator of cell proliferation. May play a role in maintenance of the non-proliferative state throughout life.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557441
NCBI GeneID	1028
NCBI Accession #	NP_000067.1
NCBI GenBank Nucleotide #	NM_000076.2
UniProt Accession #	P49918
Molecular Weight	32,177 Da
NCBI Official Full Name	cyclin-dependent kinase inhibitor 1C isoform a
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 1C (p57, Kip2)
NCBI Official Symbol	CDKN1C
NCBI Official Synonym Symbols	BWS; WBS; p57; BWCR; KIP2; p57Kip2
NCBI Protein Information	cyclin-dependent kinase inhibitor 1C; cyclin-dependent kinase inhibitor p57
UniProt Protein Name	Cyclin-dependent kinase inhibitor 1C
UniProt Gene Name	CDKN1C
UniProt Synonym Gene Names	KIP2
UniProt Entry Name	CDN1C_HUMAN

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.