

Rabbit p27/Kip1 Polyclonal Antibody | anti-CDKN1B antibody

Rabbit anti p27/Kip1 (pThr187)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50306	Rabbit	Human, Mouse (Expected from Sequence), Rat (Expected from Sequence)	Western Blot, Immunohistochemistry

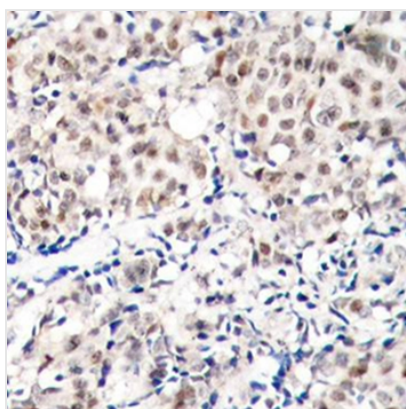
PRODUCT SYNONYMS

p27/Kip1; Polyclonal Antibody; Rabbit anti p27/Kip1 (pThr187); p27/Kip1 (pThr187) Antibody; anti-CDKN1B antibody

PRODUCT SPECIFICATIONS

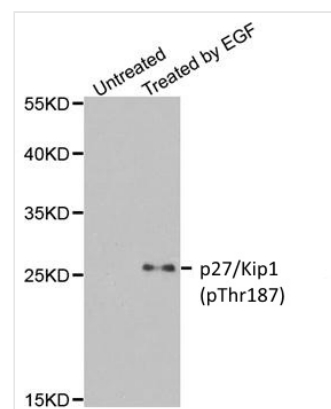
Host	Rabbit
Reactivity	Human, Mouse (Expected from Sequence), Rat (Expected from Sequence)
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Purified whole serum by affinity chromatography.
Form/Format	Liquid in phosphate buffered saline with 0.02% sodium azide, 50% glycerol.
Sequence Length	198
Applicable Applications for anti-CDKN1B antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Phospho specific-peptide corresponding to residues surrounding threonine 187 of human p27/Kip1
Preparation	Antiserum to p27/Kip1 (pThr187) was raised by repeated immunization of rabbits with highly purified antigen.
Preparation and Storage	Store at -20 degree C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of despatch

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Rabbit anti p27/Kip1 (pThr187) antibody



WB (Western Blot)

Western blot analysis of extracts from HeLa cells untreated or treated with EGF using Rabbit anti p27/Kip1 (pThr187) antibody. Cells were cultured in serum free media for 16-20 hours before treatment with EGF (100ng/ml) for 30 minutes

ADDITIONAL INFORMATION

Related Product Information for anti-CDKN1B antibody	Rabbit anti p27/Kip1 (pThr187) antibody recognizes p27/Kip1, also known as cyclin-dependent kinase inhibitor p27 or cyclin-dependent kinase inhibitor 1B, when phosphorylated at threonine 187. p27/Kip1 is a cyclin-dependent kinase inhibitor (CKI) that belongs to the Cip/Kip protein family (Cerqueira et al. 2014). p27/Kip1 inhibits cyclin-dependent kinases (CDKs) and cyclin-CDK complexes; playing a role in the regulation of cell cycle progression at G1 (Cerqueira et al. 2014). Phosphorylation of p27/Kip1 at threonine 187 by CDK2 leads to the ubiquitination and subsequent degradation of p27/Kip by the 26S proteasome (Das et al. 2016).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1168871
NCBI GeneID	1027
UniProt Accession #	P46527; Q16307; Q5U0H2; Q9BUS6
Molecular Weight	22,073 Da
NCBI Official Full Name	Cyclin-dependent kinase inhibitor 1B
NCBI Official Synonym Full Names	cyclin dependent kinase inhibitor 1B
NCBI Official Symbol	CDKN1B
NCBI Official Synonym Symbols	KIP1; MEN4; CDKN4; MEN1B; P27KIP1
NCBI Protein Information	cyclin-dependent kinase inhibitor 1B
UniProt Protein Name	Cyclin-dependent kinase inhibitor 1B
UniProt Gene Name	CDKN1B
UniProt Synonym Gene Names	KIP1

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.