

Rabbit p107 Polyclonal Antibody | anti-p107 antibody

p107 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323261	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

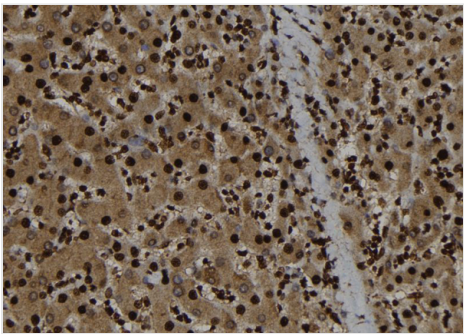
PRODUCT SYNONYMS

p107; Polyclonal Antibody; p107 Antibody; 107 kDa retinoblastoma-associated protein; Cellular protein 107; Cellular protein p107; CP107; MGC40006; PRB1; RBL1; RBL1_HUMAN; Retinoblastoma like protein 1; retinoblastoma-like 1 (p107); Retinoblastoma-like protein 1; anti-p107 antibody

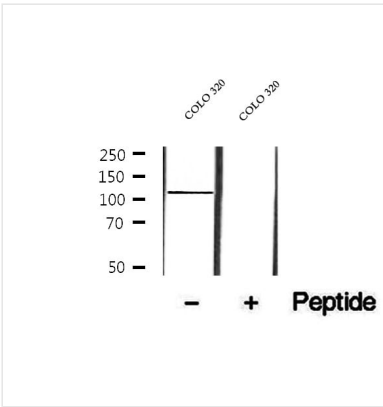
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	p107 antibody detects endogenous levels of p107.
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	1068
Applicable Applications for anti-p107 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human p107.
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323261 at 1/100 staining Human liver tissue 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of COLO 320 cells, using p107 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-p107 antibody	Function: Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases KMT5B and KMT5C, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation. Forms a complex with adenovirus E1A and with SV40 large T antigen. May bind and modulate functionally certain cellular proteins with which T and E1A compete for pocket binding. May act as a tumor suppressor. Subunit Structure: Interacts with KMT5B, KMT5C and USP4 (By similarity). Component of the DREAM complex (also named LINC complex) at least composed of E2F4, E2F5, LIN9, LIN37, LIN52, LIN54, MYBL1, MYBL2, RBL1, RBL2, RBBP4, TFDP1 and TFDP2. The complex exists in quiescent cells where it represses cell cycle-dependent genes. It dissociates in S phase when LIN9, LIN37, LIN52 and LIN54 form a subcomplex that binds to MYBL2. Interacts with AATF. Interacts with KDM5A. Interacts with SV40 and JC virus large T antigens. Post-translational Modifications: Exists in both phosphorylated and unphosphorylated forms, and T, but not E1A, binds only to the unphosphorylated form. Cell-cycle arrest properties are inactivated by phosphorylation on Thr-332, Ser-640, Ser-964 and Ser-975 by CDK4. Similarity: Belongs to the retinoblastoma protein (RB) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34577079
NCBI GeneID	5933
NCBI Accession #	NP_002886.2
NCBI GenBank Nucleotide #	NM_002895.4
UniProt Accession #	P28749; Q4VXA0; Q8N5K6; Q9H1L5; Q9H1M1; A8K2W5
Molecular Weight	Observed: 119 kDa Predicted: 121 kDa
NCBI Official Full Name	retinoblastoma-like protein 1 isoform a
NCBI Official Synonym Full Names	RB transcriptional corepressor like 1
NCBI Official Symbol	RBL1
NCBI Official Synonym Symbols	PRB1; p107; CP107
NCBI Protein Information	retinoblastoma-like protein 1
UniProt Protein Name	Retinoblastoma-like protein 1

UniProt Gene Name	RBL1
UniProt Synonym Gene Names	p107

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/p107-antibody-immunohistochemistry-western-blot-elisa/323261>