

Recombinant p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Antibody

Rabbit Monoclonal Antibody [Clone CDKN1B/9837R]

Catalog No	Format	Size
1027-RBM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1027-RBM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1027-RBM10-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	CDKN1B/9837R
Immunogen	Recombinant full-length human p27 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	22.07kDa
Cellular Localization	Cytoplasm, Endosome, Nucleus
Species Reactivity	Human
Positive Control	Expressed in kidney (at protein level) (PubMed:15509543)

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Antibody

Specificity & Comments

Important regulator of cell cycle progression. Inhibits the kinase activity of CDK2 bound to cyclin A, but has little inhibitory activity on CDK2 bound to SPDYA (PubMed:28666995). Involved in G1 arrest. Potent inhibitor of cyclin E- and cyclin A-CDK2 complexes. Forms a complex with cyclin type D-CDK4 complexes and is involved in the assembly, stability, and modulation of CCND1-CDK4 complex activation. Acts either as an inhibitor or an activator of cyclin type D-CDK4 complexes depending on its phosphorylation state and/or stoichiometry.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.