Recombinant DGRmAb®

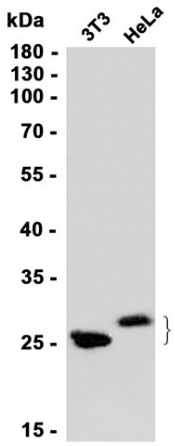
p27 KIP 1 (DGR14485) Rabbit mAb

db13072 **Package : 10μL 20μL 50μL 100μL**

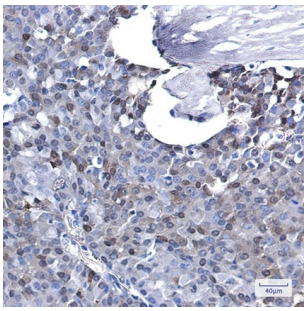
Product Name : p27 KIP 1 (DGR14485) Rabbit mAb
Cat.No.: db13072
Synonyms : KIP1; MEN4; CDKN4; MEN1B; P27KIP1
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state. Mutations in this gene are associated with multiple endocrine neoplasia type IV (MEN4). [provided by RefSeq, Apr 2014]
Immunogen	A synthetic peptide of human p27 KIP 1
Gene ID	1027
Swiss Prot	P46527
Synonyms	KIP1; MEN4; CDKN4; MEN1B; P27KIP1
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:50 ICC/IF: 1:100-1:500 FC: 1:20-1:50 IP: 1:20-1:50
Calculated MW	22 kDa
Observed MW	27 kDa
Host species	Rabbit
Clonality	Monoclonal

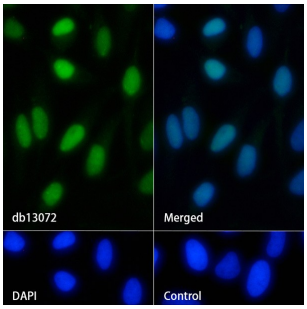
Clonality No.	DGR14485
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from 3T3, HeLa cells using db13072 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human breast cancer using db13072 antibody.



Immunofluorescence analysis of HeLa cells labelling p27 KIP 1 with db13072.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db13072 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.