Recombinant DGRmAb®

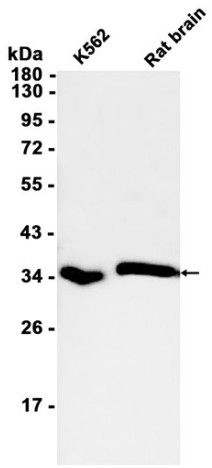
PP1C alpha/beta (DGR33032) Rabbit mAb

db12099 **Package : 10μL 20μL 50μL 100μL**

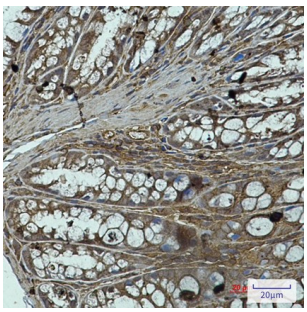
Product Name : PP1C alpha/beta (DGR33032) Rabbit mAb
Cat.No.: db12099
Synonyms : PP1A; PP-1A; PPP1A; PP1alpha
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The protein encoded by this gene is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Increased PP1 activity has been observed in the end stage of heart failure. Studies in both human and mice suggest that PP1 is an important regulator of cardiac function. Mouse studies also suggest that PP1 functions as a suppressor of learning and memory. Three alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human PPP1CA+PPP1CB
Gene ID	5499
Swiss Prot	P62136
Synonyms	PP1A; PP-1A; PPP1A; PP1alpha
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:5000-1:50000 IHC-P: 1:50-1:100 ICC/IF: 1:50-1:200 FC: 1:100-1:200 IP: 1:20-1:100
Calculated MW	38 kDa
Observed MW	38 kDa
Host species	Rabbit

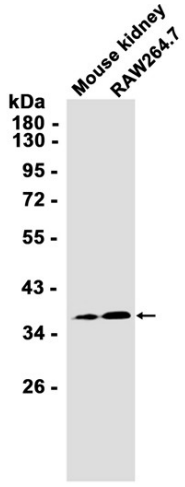
Clonality	Monoclonal
Clonality No.	DGR33032
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



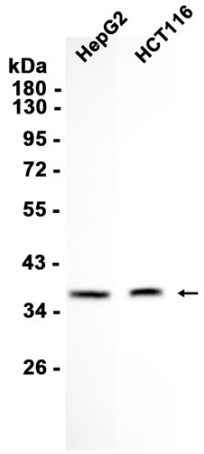
Western blot analysis of extracts from K562 cells and Rat brain tissue using db12099 at 1:1000.



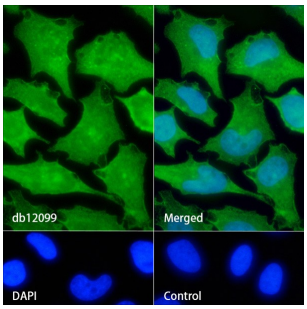
Immunohistochemical analysis of paraffin-embedded mouse colon using db12099 antibody.



Western blot analysis of extracts from RAW264.7 cells and Mouse kidney tissue using db12099 at 1:1000.



Western blot analysis of extracts from HepG2, HCT116 cells using db12099 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling PP1C alpha/beta with db12099.

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 db12099 (1:50) 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.