Recombinant DGRmAb®

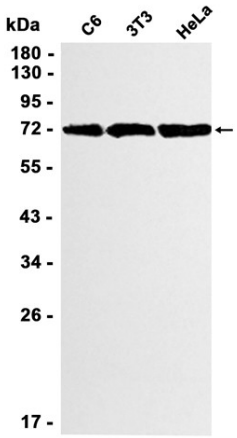
Raf1 (DGR15751) Rabbit mAb

db12651 **Package : 10μL 20μL 50μL 100μL**

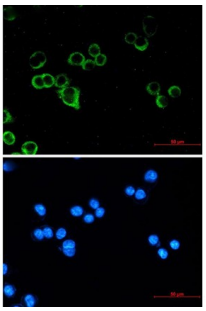
Product Name : Raf1 (DGR15751) Rabbit mAb
Cat.No.: db12651
Synonyms : NS5; CRAF; Raf-1; c-Raf; CMD1NN
Application : WB, ICC/IF, FC
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are associated with Noonan syndrome 5 and LEOPARD syndrome 2. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human Raf1
Gene ID	5894
Swiss Prot	P04049
Synonyms	NS5; CRAF; Raf-1; c-Raf; CMD1NN
Reactivity	Human,Mouse,Rat
Application	WB, ICC/IF, FC
Recommended dilution	WB: 1:1000 ICC/IF: 1:100-1:200 FC: 1:100
Calculated MW	73 kDa
Observed MW	73 kDa
Host species	Rabbit
Clonality	Monoclonal

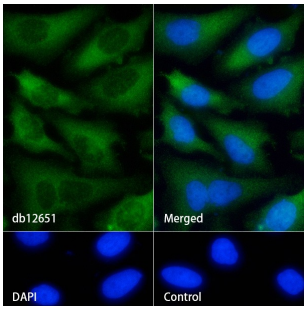
Clonality No.	DGR15751
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from C6, 3T3, HeLa cells using db12651 at 1:1000.



Immunofluorescent analysis of MCF-7 cells using db12651 antibody (green), and DAPI (blue).



Immunofluorescence analysis of HeLa cells labelling Raf1 with db12651.

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 db12651 (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.