Recombinant DGRmAb®

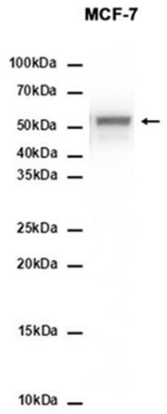
Cytokeratin 8 (DGR11203) Rabbit mAb

db16057 **Package : 10μL 20μL 50μL 100μL**

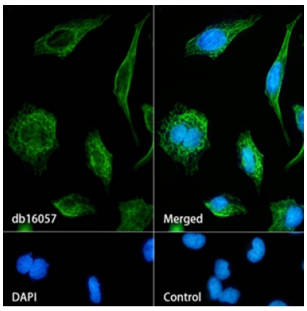
Product Name : Cytokeratin 8 (DGR11203) Rabbit mAb
Cat.No.: db16057
Synonyms : K8; KO; CK8; CK-8; CYK8; K2C8; CARD2
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]
Immunogen	A synthetic peptide of human Cytokeratin 8
Gene ID	3856
Swiss Prot	P05787
Synonyms	K8; KO; CK8; CK-8; CYK8; K2C8; CARD2
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:100-1:200 ICC/IF: 1:100-1:500 FC: 1:20-1:50 IP: 1:20
Calculated MW	54 kDa
Observed MW	54 kDa
Host species	Rabbit
Clonality	Monoclonal

Clonality No.	DGR11203
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.



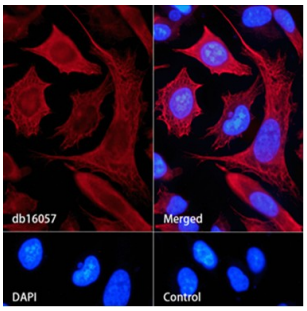
Western blot analysis of extracts from MCF-7 cells using db16057 at 1:5000.



Immunofluorescence analysis of HeLa cells labelling Cytokeratin 8 with db16057.

The cells were fixed with cold 100% methanol (10min, 4℃) 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 db16057 (1:500) 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.



Immunofluorescence analysis of HeLa cells labelling Cytokeratin 8 with db16057.

The cells were fixed with cold 100% methanol (10min, 4℃) 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 db16057 (1:500) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF647 (db10006, shown in red). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.