Recombinant DGRmAb®

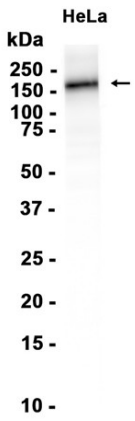
EGFR (DGR12136) Rabbit mAb

db13403 **Package : 10μL 20μL 50μL 100μL**

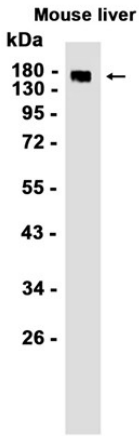
Product Name : EGFR (DGR12136) Rabbit mAb
Cat.No.: db13403
Synonyms : ERBB; HER1; mENA; ERBB1; PIG61; NISBD2
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. [provided by RefSeq, Jun 2016]
Immunogen	A synthetic peptide of human EGFR
Gene ID	1956
Swiss Prot	P00533
Synonyms	ERBB; HER1; mENA; ERBB1; PIG61; NISBD2
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:100 ICC/IF: 1:200-1:500 FC: 1:20 IP: 1:20
Calculated MW	134 kDa
Observed MW	175 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR12136

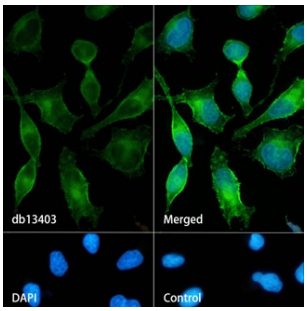
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa cells using db13403 at 1:1000.



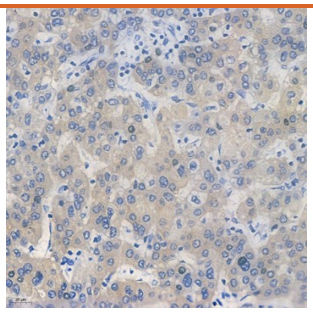
Western blot analysis of extracts from Mouse liver tissue using db13403 at 1:1000.



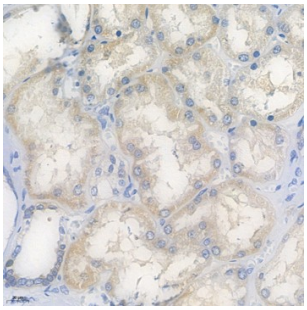
Immunofluorescence analysis of Hela cells labelling EGFR with db13403.

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 db13403 (1:200) 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.

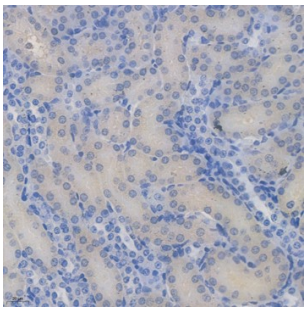
Control: Secondary antibody only.



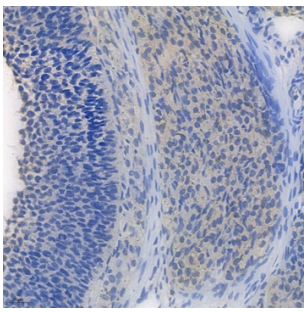
Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue labeling EGFR with db13403. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human renal tissue labeling EGFR with db13403. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse renal tissue labeling EGFR with db13403. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat ovarian tissue labeling EGFR with db13403. Counter stained with Hematoxylin.