Recombinant DGRmAb®

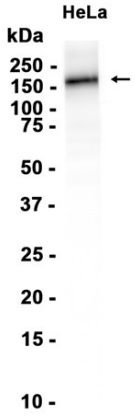
EGFR (DGR12136) Rabbit mAb (PBS Only)

db13403-PBS **Package : 10μg 100μg**

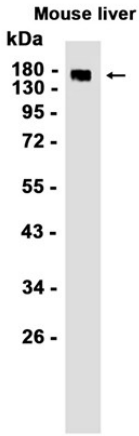
Product Name : EGFR (DGR12136) Rabbit mAb (PBS Only)
Cat.No.: db13403-PBS
Synonyms : ERBB; HER1; mENA; ERBB1; PIG61; NISBD2
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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
Calculated MW	134 kDa
Observed MW	175 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR12136
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

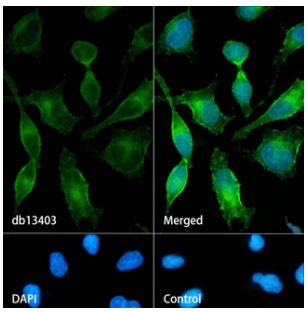
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



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



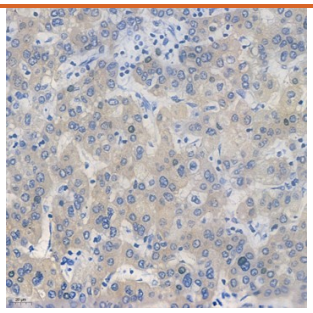
Western blot analysis of extracts from Mouse liver tissue using db13403 at 1:1000.



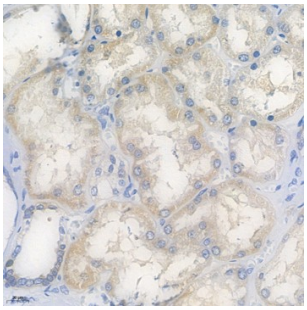
Immunofluorescence analysis of Hela cells labelling EGFR with db13403.

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.

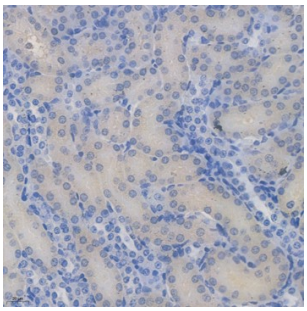
Control: Secondary antibody only.



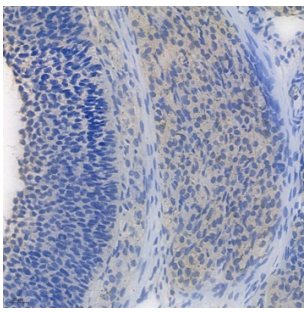
Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue labeling EGFR with db13403. Counter stained with Hematoxylin.



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.