Recombinant DGRmAb®

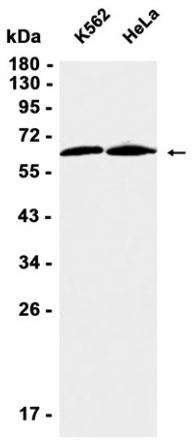
Estrogen Receptor alpha (DGR11560) Rabbit mAb

db12490 **Package : 10μL 20μL 50μL 100μL**

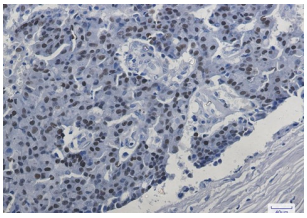
Product Name : Estrogen Receptor alpha (DGR11560) Rabbit mAb
Cat.No.: db12490
Synonyms : ER; ESR; Era; ESRA; ESTRR; NR3A1
Application : WB, IHC-P, ICC/IF, FC
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined. [provided by RefSeq, Mar 2014]
Immunogen	A synthetic peptide of human Estrogen Receptor alpha
Gene ID	2099
Swiss Prot	P03372
Synonyms	ER; ESR; Era; ESRA; ESTRR; NR3A1
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC
Recommended dilution	WB: 1:1000 IHC-P: 1:200-1:20000 ICC/IF: 1:100-1:200 FC: 1:200-1:1000
Calculated MW	66 kDa
Observed MW	66 kDa
Host species	Rabbit
Clonality	Monoclonal

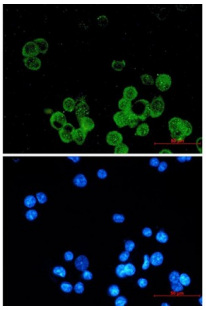
Clonality No.	DGR11560
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



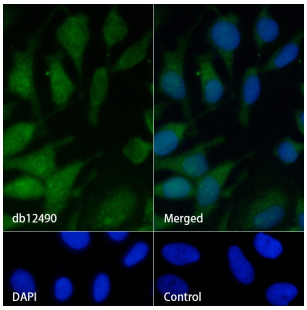
Western blot analysis of extracts from K562, HeLa cells using db12490 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human breast cancer using db12490 antibody.



Immunofluorescent analysis of MCF-7 cells using db12490 antibody (green), and DAPI (blue).



Immunofluorescence analysis of HeLa cells labelling Estrogen Receptor alpha with db12490.

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 db12490 (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.