

Recombinant

DGRmAb®

**Estrogen Receptor alpha (DGR11206) Rabbit mAb**

db16056

Package : 10µL 20µL 50µL 100µL

**Product Name** : Estrogen Receptor alpha (DGR11206) Rabbit mAb**Cat.No.:** db16056**Synonyms** : ER; ESR; Era; ESRA; ESTRR; NR3A1**Application** : WB, IHC, ICC/IF, FC**Reactivity** : Human**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

**Application**

WB, IHC, ICC/IF, FC

**Recommended dilution**

WB: 1:1000-1:5000

IHC: 1:200

ICC/IF: 1:200

FC: 1:20

**Calculated MW**

66 kDa

**Observed MW**

66 kDa

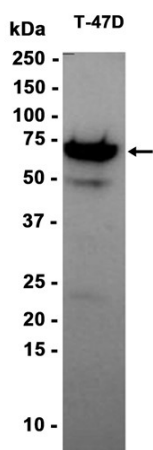
**Host species**

Rabbit

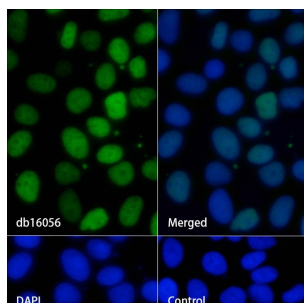
**Clonality**

Monoclonal

<b>Clonality No.</b>	DGR11206
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	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 T-47D cells using db16056 at 1:1000.



Immunofluorescence analysis of MCF-7 cells labelling Estrogen Receptor alpha with db16056.

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 db16056 (1:200) at room temperature 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.