

DGRmAb<sup>®</sup>

## 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



## For Research Use Only **Product Datasheet**

Clonality No. DGR11560

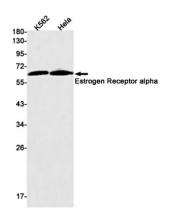
**Isotype** IgG

**Purity** Affinity Purification

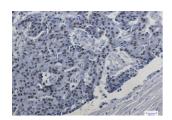
**Conjugation** Un-conjugated

Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

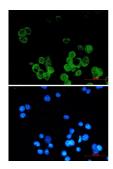
azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Estrogen Receptor alpha in K562, Hela cell lysates using Estrogen Receptor alpha antibody(1:1000 diluted).



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



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