

ER Recombinant monoclonal antibody

Catalog Number: 84564-11-RR

Basic Information

Catalog Number:

84564-11-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2234

GenBank Accession Number:

BC128573

GeneID (NCBI):

2099

UNIPROT ID:

P03372

Full Name:

estrogen receptor 1

Calculated MW:

595 aa, 66 kDa

Purification Method:

Protein A purification

CloneNo.:

250324D9

Recommended Dilutions:

IHC: 1:1000-1:4000

Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human

Positive Controls:

IHC : human breast cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

The estrogen receptor (ESR, ER) is a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. ESR1, also known as ESR or NR3A1, belongs to the nuclear hormone receptor family and NR3 subfamily. It is a nuclear hormone receptor. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. ESR1 can activate the transcriptional activity of TFF1.[PMID: 11731608,10970861]

Storage

Storage:

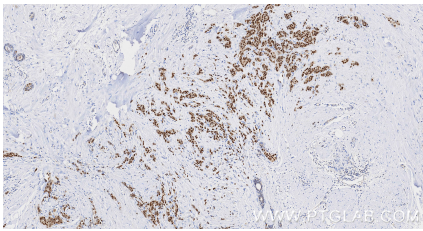
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

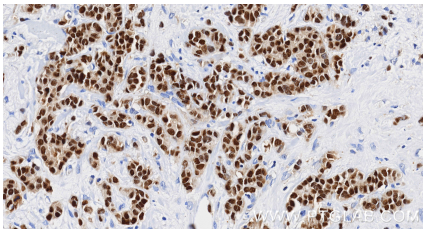
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

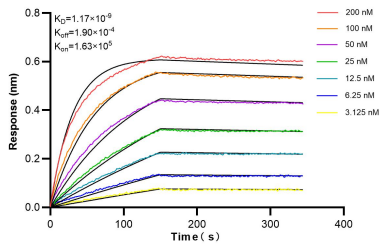
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 84564-11-RR (ER antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 84564-11-RR (ER antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84564-11-RR against Human ER were performed. The affinity constant is 1.17 nM.