

Anti-Estrogen Receptor alpha Rabbit mAb

Purified Rabbit Monoclonal Antibody

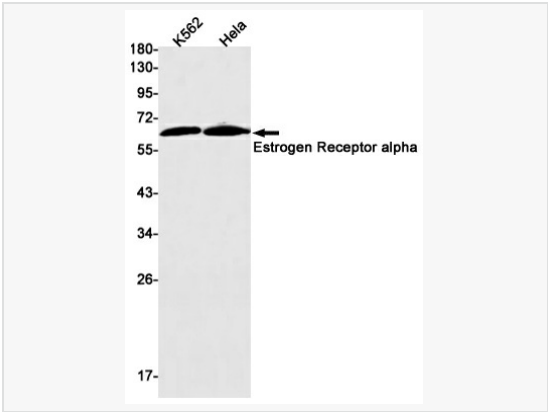
Catalog # R012040

Product Information

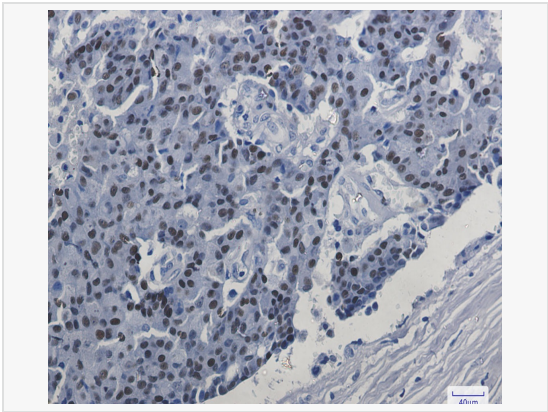
Application	ICC/IF (Cell), ChIP, IHC-P/IF (Tissue-P), ELISA, WB, IP, IHC-F/IF (Tissue-F)
Reactivity	Human
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; IP 1:20; ChIP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	85K85L37
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Estrogen Receptor alpha
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Estrogen Receptor alpha antibody [85K85L37] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

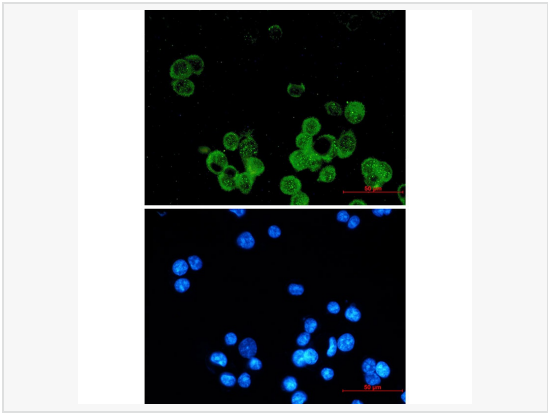
Synonyms	ESR1, Era, Eralpha, Estrogen receptor, Estradiol receptor, ER-alpha, Estrogen receptor 1, NR3A1, ER, ESR, ESRA, Estrogen receptor alpha.
Calculated MW	Calculated MW: 66 kDa; Observed MW: 66 kDa
Uniprot ID	P03372
Gene ID	2099
Background	ER (estrogen receptor 1) a member of the steroid receptor superfamily, contains highly conserved DNA binding (DBD) and ligand binding domains (LBD). Through its estrogen-independent and estrogen-dependent activation domains (AF-1 and AF-2, respectively), ER regulates transcription by recruiting coactivator proteins and interacting with general transcriptional machinery. Phosphorylation provides an important mechanism to regulate ER activity. ER is phosphorylated on multiple sites.



Western blot analysis of Estrogen Receptor alpha in K562, HeLa lysates using Estrogen Receptor alpha antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Estrogen Receptor alpha antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of Estrogen Receptor alpha (green) in MCF-7 using Estrogen Receptor alpha antibody and DAPI (blue)