

Anti-Estrogen Receptor alpha Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P010381

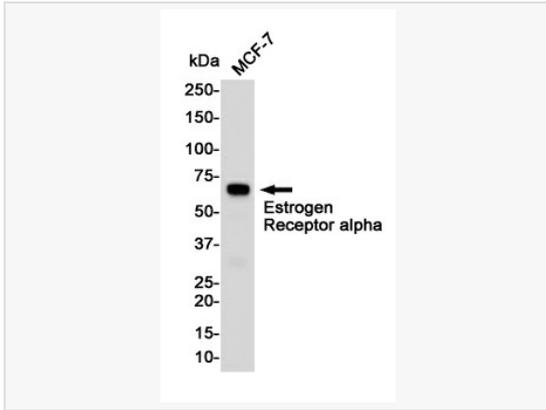
Product Information

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| Application | WB, IHC-P/IF (Tissue-P), FC, IP, ChIP, ELISA |
| Reactivity | Human |
| Dilution | WB 1:500~1:1,000; IHC-P 1:50~1:100; IP 1:20; FC 1:50~1:100; ChIP 1:20 |
| Host | Rabbit |
| Clonality | Polyclonal |
| 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 is for research use only and not for use in diagnostic or therapeutic procedures. |

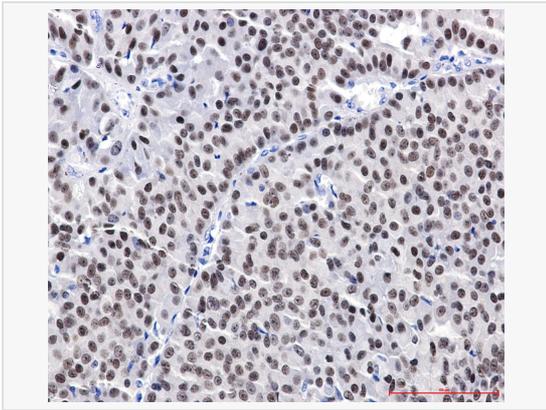
Protein Information

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|---------------|---|
| 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. |

Validation Images



Western blot analysis of Estrogen Receptor α in MCF-7 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.