

## Product datasheet for **TA354835**

### Estrogen Receptor 1 (ESR1) Rabbit Polyclonal Antibody

#### Product data:

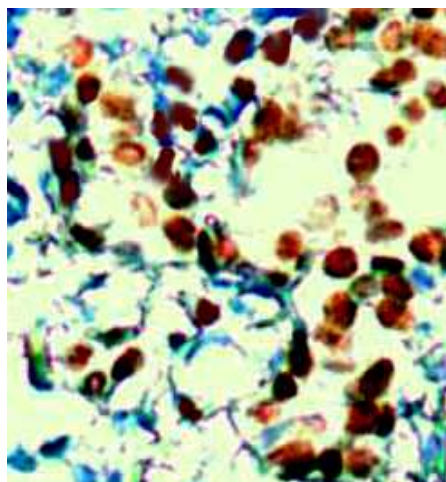
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide surrounding the epitope -KNSLA- with a phosphorylation site of Ser305 of human estrogen receptor.
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	67 kDa
Gene Name:	estrogen receptor 1
Database Link:	<a href="#">NP_000116</a> <a href="#">Entrez Gene 13982 Mouse</a> <a href="#">Entrez Gene 2099 Human</a> <a href="#">P03372</a>
Background:	ER (estrogen receptor) belongs to a member of the steroid receptor superfamily. It 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 its phosphorylation at multiple sites, such as serine 104, 106, 118, 167 and 305. Phosphorylation of certain serine at ER may relate to breast cancer process and on-going treatment.
Synonyms:	ER; Era; ESR; ESRA; ESTRR; NR3A1
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors



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**Product images:**

WB: The whole cell lysates derived from MCF-7 were immunoblotted by Rabbit anti-ER (pSer305) at 1:500 (Lane 1). The immunoreactive band is blocked by pre-incubation of immunizing peptide (lane 2)



IHC: Human breast cancer tissue stained with Anti-ER (pSer305) antibody, at 1:200 for 10 min at RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.