

Product datasheet for **TA349938**

Estrogen Receptor 1 (ESR1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse brain tissue, 231 and Hela cells
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human ESR1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	66 kDa
Gene Name:	estrogen receptor 1
Database Link:	NP_000116 Entrez Gene 13982 Mouse Entrez Gene 24890 Rat Entrez Gene 2099 Human P03372

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 splicing results in several transcript variants, which differ in their 5' UTRs and use different promoters.

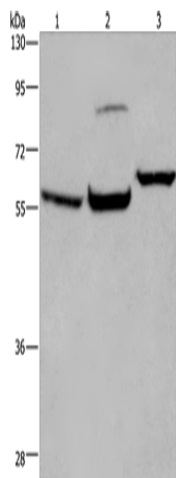


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Synonyms: ER; Era; ESR; ESRA; ESTRR; NR3A1

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Product images:



Gel: 8%SDS-PAGE

Lysate: 40 μ g

Lane 1-3: Mouse brain tissue

231 cells

Hela cells

Primary antibody: TA349938 (ESR1 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute