

Product datasheet for **TA392941S**

Estrogen Receptor beta (ESR2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from human ER β around the phosphorylation site of S105.
Specificity:	ER β (phospho-S105) polyclonal antibody detects endogenous levels of Er β protein around the phosphorylation site of S105.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 48, 60 kDa
Gene Name:	estrogen receptor 2
Database Link:	Entrez Gene 2100 Human Q92731

Background: Estrogen receptors (ER) are members of the steroid/thyroid hormone receptor superfamily of ligand-activated transcription factors. Estrogen receptors, including ER α and ER β , contain DNA binding and ligand binding domains and are critically involved in regulating the normal function of reproductive tissues. ER α and ER β have been shown to be differentially activated by various ligands. Receptor-ligand interactions trigger a cascade of events, including dissociation from heat shock proteins, receptor dimerization, phosphorylation and the association of the hormone activated receptor with specific regulatory elements in target genes. Evidence suggests that ER α and ER β may be regulated by distinct mechanisms even though they share many functional characteristics.

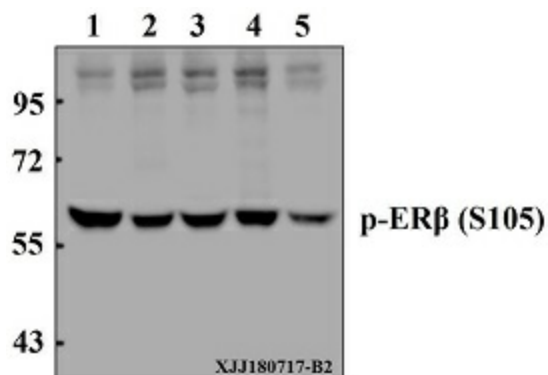


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Synonyms: ER-beta; ER- β ; ESR2; ESTRB; Estrogen receptor beta; NR3A2; Nuclear receptor subfamily 3 group A member 2

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of p-ER β (S105) pAb at 1:500 dilution. Lane 1: SGC7901 whole cell lysate (40 μ g); Lane 2: SK-OVCAR3 whole cell lysate (40 μ g); Lane 3: MCF-7 whole cell lysate (40 μ g); Lane 4: PC3 whole cell lysate (40 μ g); Lane 5: LO2 whole cell lysate (40 μ g).