

bs-0725R**[Primary Antibody]****BioSS**
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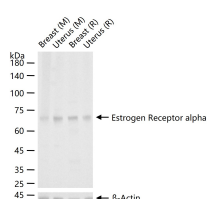
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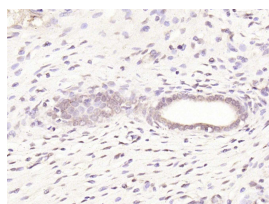
400-901-9800

Estrogen Receptor alpha Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:50-200)
Clonality: Polyclonal		
GeneID: 13982	SWISS: P19785	
Target: Estrogen Receptor alpha		
Immunogen: KLH conjugated synthetic peptide derived from mouse ER-alpha: 501-600/600.		
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat
Concentration: 1mg/ml		Predicted MW.: 67 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Estrogen and progesterone receptor are members of a family of transcription factors that are regulated by the binding of their cognate ligands. The interaction of hormone-bound estrogen receptors with estrogen responsive elements(EREs) alters transcription of ERE-containing genes. The carboxy terminal region of the estrgen receptor contains the ligand binding domain, the amino terminus serves as the transactivation domain, and the DNA binding domain is centrally located. Two forms of estrogen receptor have been identified, ER Alpha and ER Beta. ER Alpha and ER Beta have been shown to be differentially activated by various ligands. The biological response to progesterone is mediated by two distinct forms of the human progesterone receptor (hPR-A and hPR-B), which arise from alternative splicing. In most cells, hPR-B functions as a transcriptional activator of progesterone-responsive gene, whereas hPR-A function as a transcriptional inhibitor of all steroid hormone receptors.		Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with Estrogen Receptor alpha polyclonal antibody, unconjugated (bs-0725R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (rat uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Estrogen Receptor alpha) Polyclonal Antibody, Unconjugated (bs-0725R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.28]** Zuo, Zhenghong, et al. "Chronic Exposure to Tributyltin Chloride Induces Pancreatic Islet cell Apoptosis and Disrupts Glucose Homeostasis in male mice." Environmental Science & Technology (2014). WB ;="Mouse". 24693970

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=5.168]** Yudong Yin. et al. (4-Picolylamino)-17 β -Estradiol derivative and analogues induce apoptosis with death receptor trail R2/DR5 in MCF-7. CHEM-BIOL INTERACT. 2022 Nov;;110286 IHC ;Human. 36460128
- **[IF=5.116]** Jia-Hua Zhenget al. Quantification of the CM-Dil-labeled Human umbilical cord mesenchymal stem cells migrated to the dual injured uterus in SD rat. Stem Cell Res Ther . 2020 Jul 13;11(1):280. Other ;. 32660551
- **[IF=3.43]** Ye, Zonghuang, et al. "Electrochemical biosensor for the nuclear factor kappa B using a gold nanoparticle-assisted dual signal amplification method." Microchimica Acta (2013): 1-7. Other ;="". 10.1007/s00604-013-1080-x
- **[IF=3.192]** Yuan, Jie. et al. Comparison of the efficacy of gossypol acetate enantiomers in rats with uterine leiomyoma. J NAT MED-TOKYO. 2022 Aug;;1-12 IHC ;Rat. 35984592