bs-23769R **[Primary Antibody]**

ER36 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2099 **SWISS:** P03372

Target: ER36

Immunogen: KLH conjugated synthetic peptide derived from human ER36: 271-310/312.

Purification: affinity purified by Protein A

Concentration: 1mg/1ml

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.

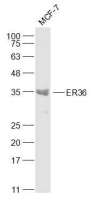
Applications: **WB** (1:500-2000)
ICC/IF (1:50-1:200)

Reactivity: Human, Mouse

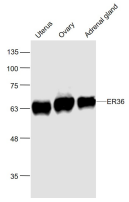
Predicted MW.: 67/36 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

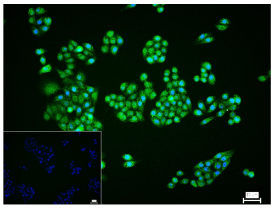
VALIDATION IMAGES



Sample: MCF-7(Human) Cell Lysate at 30 ug Primary: Anti-ER36 (bs-23769R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67/36 kD Observed band size: 35 kD



Sample: Uterus (Mouse) Lysate at 40 ug Ovary (Mouse) Lysate at 40 ug Adrenal gland (Mouse) Lysate at 40 ug Primary: Anti- ER36 (bs-23769R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67’ 36 kD Observed band size: 63 kD



4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (ER36) polyclonal Antibody, unconjugated (bs-23769R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

SELECTED CITATIONS

- **[IF=6.244]** Chunyan Wang. et al. ER-α36 Promotes the Malignant Progression of Cervical Cancer Mediated by Estrogen via HMGA2. Front Oncol. 2021; 11: 712849 WB,IHC ;Human. 34336701