bs-6959R **[Primary Antibody]**

phospho-Estrogen Receptor beta (Ser87) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2100 **SWISS:** Q92731

Target: Estrogen Receptor beta (Ser87)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human Estrogen Receptor beta around the phosphorylation site of Ser87: HL(p-S)PL.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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: This gene encodes a member of the family of estrogenreceptors and superfamily of nuclear receptor transcriptionfactors. The gene product contains an N-terminal DNA binding domainand C-terminal ligand binding domain and is localized to thenucleus, cytoplasm, and mitochondria. Upon binding to17beta-estradiol or related ligands, the encoded protein formshomo- or hetero-dimers that interact with specific DNA sequences toactivate transcription. Some isoforms dominantly inhibit theactivity of other estrogen receptor family members. Severalalternatively spliced transcript variants of this gene have beendescribed, but the full-length nature of some of these variants hasnot been fully characterized. [provided by RefSeq, Jul 2008].

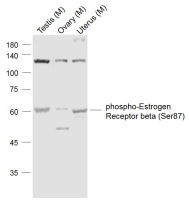
Applications: **WB** (1:500-2000)
Flow-Cyt (1μg/Test)
ICC/IF (1:50-1:200)

Reactivity: Human, Mouse (predicted: Rat, Rabbit, Sheep)

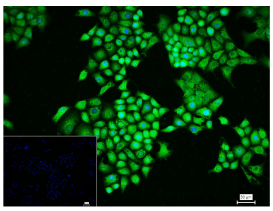
Predicted MW.: 66 kDa

Subcellular Location: Nucleus

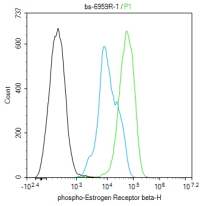
VALIDATION IMAGES



Sample: Lane 1: Testis (Mouse) Lysate at 40 ug Lane 2: Ovary (Mouse) Lysate at 40 ug Lane 3: Uterus (Mouse) Lysate at 40 ug Primary: Anti-phospho-Estrogen Receptor beta (Ser87) (bs-6959R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 59 kD Observed band size: 59 kD



4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (phospho-Estrogen Receptor beta (Ser87)) polyclonal Antibody, unconjugated (bs-6959R) 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.



The MCF-7 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green):Rabbit Anti-phospho-Estrogen Receptor beta (Ser87) antibody (bs-6959R): 1 μg/10^6 cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-40295G-FITC): 1 μg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed.