

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

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ANTIBODIES

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400-901-9800

phospho-Estrogen Receptor beta (Ser87) Rabbit pAb

DATASHEET

Host: Rabbit	Isotype: IgG
Clonality: Polyclonal	
GeneID: 2100	SWISS: Q92731
Target: phospho-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 estrogen receptors and superfamily of nuclear receptor transcription factors. The gene product contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17β-estradiol or related ligands, the encoded protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been fully characterized. [provided by RefSeq, Jul 2008].	

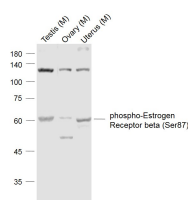
Applications: WB (1:500-2000)
Flow-Cyt (1μg/Test)
ICC/IF (1:50-1:200)

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

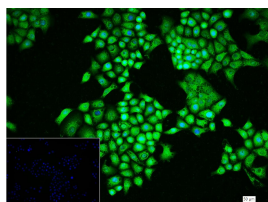
Predicted MW.: 66 kDa

Subcellular Location: Nucleus

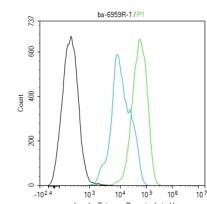
VALIDATION IMAGES



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/10⁶ 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.