BH0083 **[Primary Antibody]**

Estrogen Receptor α(ready to use) Mouse mAb

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DATASHEET

Host: Mouse **Isotype:** IgG2b
Clonality: Monoclonal **CloneNo.:** 7G2
GeneID: 2099 **SWISS:** P03372
Target: Estrogen Receptor α(ready to use)
Purification: affinity purified by Protein G
Storage: 0.01M PBS (pH7.4) with 1% BSA and 0.02% Proclin300.
Store at 2-8°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.

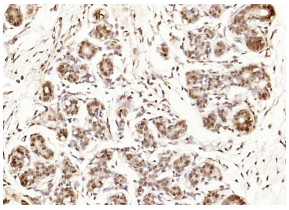
Applications: **IHC-P**
IHC-F
IF
ICC/IF

Reactivity: Human

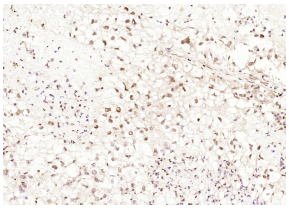
Predicted MW.: 66 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (human breast); 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 α) Monoclonal Antibody, Unconjugated (BH0083) overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human endometrial carcinoma); 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 α) Monoclonal Antibody, Unconjugated (BH0083) overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=2.534]** EnShuang Xu. et al. Establishment and transcriptome characterization of tamoxifen-resistant canine mammary gland tumor cells. Res Vet Sci. 2022 Feb;: WB ;Dog. 35193047