Recombinant ER-beta-1 (Estrogen Receptor beta-1) Antibody

Rabbit Monoclonal Antibody [Clone ESR2/9251R]

Catalog No	Format	Size
2100-RBM18-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2100-RBM18-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2100-RBM18-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

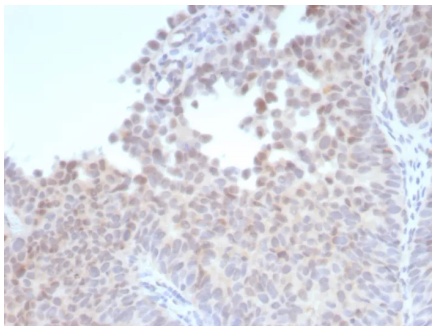
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

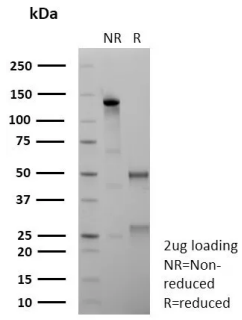
Clone	ESR2/9251R
Immunogen	Recombinant fragment corresponding to the c-terminal region of the human Estrogen Receptor beta 1 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	59.22kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Bladder|Breast|gastric or salivary carcinoma (IHC).|Ovarian, HeLa, MCF7

**Optimal dilution for a specific application should be determined.*

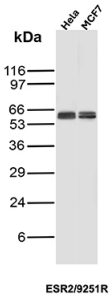
Product Images for Recombinant ER-beta-1 (Estrogen Receptor beta-1) Antibody



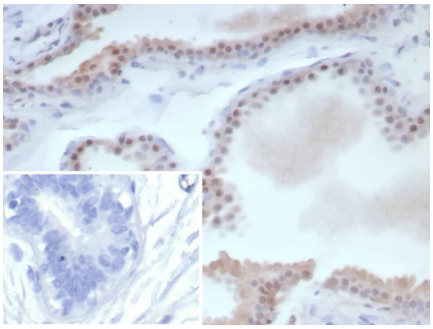
Formalin-fixed, paraffin-embedded human bladder stained with ER-beta Recombinant Rabbit Monoclonal Antibody (ESR2/9251R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified ER-beta Recombinant Rabbit Monoclonal Antibody (ESR2/9251R). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of HeLa and MCF7 cell lysates using Estrogen Receptor Beta 2 Recombinant Rabbit Monoclonal Antibody (ESR2/9251R).



Formalin-fixed, paraffin-embedded human breast cancer stained with ER-beta Recombinant Rabbit Monoclonal Antibody (ESR2/9251R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Estrogen receptors (ER) are members of the steroid/thyroid hormone receptor superfamily of ligand-activated transcription factors. Estrogen receptors, including ER-alpha and ER-beta, contain DNA binding and ligand binding domains and are critically involved in regulating the normal function of reproductive tissues. They are located in the nucleus, though some estrogen receptors associate with the cell surface membrane and can be rapidly activated by exposure of cells to estrogen. ER-alpha and ER-beta are differentially activated by various ligands. Receptor-ligand interactions trigger a cascade of events, including dissociation from heat shock proteins, receptor dimerization, phosphorylation and the association of the hormone activated receptor with specific regulatory elements in target genes. Evidence suggests that ER-alpha and ER-beta may be regulated by distinct mechanisms even though they share many functional characteristics.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.