ER-beta (Estrogen Receptor beta-2) Antibody

Mouse Monoclonal Antibody [Clone ESR2/9709]

Catalog No	Format	Size
2100-MSM19-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0ug/ml	100 ug
2100-MSM19-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2100-MSM19-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug

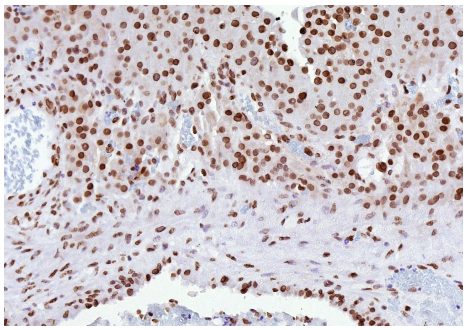
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

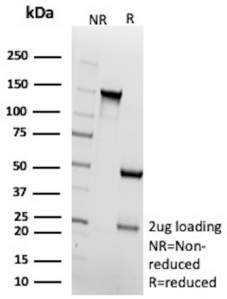
Clone	ESR2/9709
Gene Name	ESR2
Immunogen	Recombinant fragment (around aa1-200) of human ESR2 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	59kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	MCF-7 cells. Human breast, ovary or testis tissue.

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

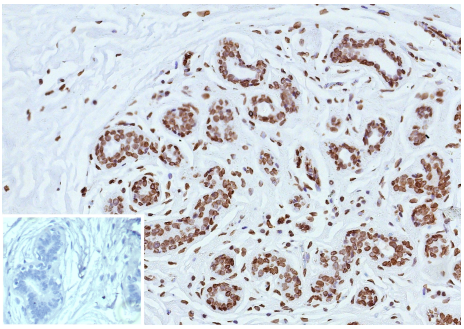
Product Images for ER-beta (Estrogen Receptor beta-2) Antibody



Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with Estrogen Receptor 2 Mouse Monoclonal Antibody (ESR2/9709). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified Estrogen Receptor 2 Mouse Monoclonal Antibody (ESR2/9709). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human breast carcinoma stained with Estrogen Receptor 2 Mouse Monoclonal Antibody (ESR2/9709). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

This MAb recognizes the estrogen receptor beta 2 isoform, expressed in cell nuclei of a range of human tissues including ovary, placenta, testis and vas deferens. No cross-reactivity is seen with estrogen receptor beta 1 isoform. 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 17beta-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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. 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.

Research Areas

Breast Cancer, Cardiovascular, Infectious Disease, Nuclear Marker, Signal Transduction, Transcription Factors

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.