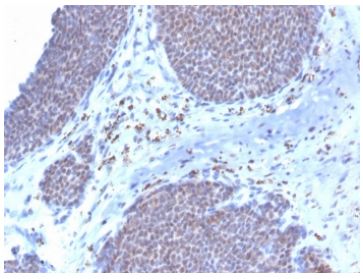
ERa Antibody / Estrogen Receptor alpha [clone ESR1/3373] (V7809BTN)

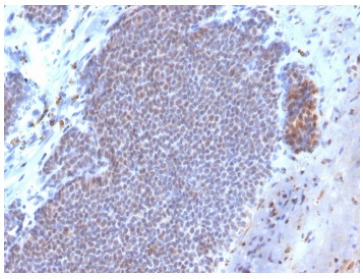
Catalog No.	Formulation	Size
V7809BTN	0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	500 ul

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Biotin Conjugate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	ESR1/3373
Purity	Protein G affinity chromatography
UniProt	P03372
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 2-4ug/ml for 30 minutes at RT
Limitations	This ERa antibody is available for research use only.



IHC staining of FFPE human breast carcinoma with biotin-conjugated ERa antibody (clone ESR1/3373). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



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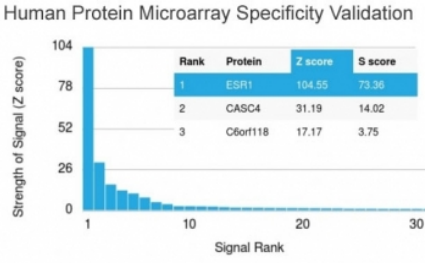
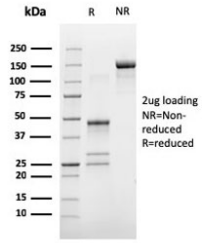


Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ERa antibody (clone ESR1/3373). These results demonstrate the foremost specificity of the ESR1/3373 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free ERa antibody (clone ESR1/3373) as confirmation of integrity and purity.

Description

This monoclonal antibody is specific to estrogen receptor alpha (ER alpha) and shows minimal cross-reaction with other members of the family. ER is an important regulator of growth and differentiation in the mammary gland. Presence of ER in breast tumors indicates an increased likelihood of response to anti-estrogen (e.g. tamoxifen) therapy. It strongly stains nuclei of epithelial cells in breast carcinomas.

Application Notes

Optimal dilution of the ERa antibody should be determined by the researcher.

Immunogen

Recombinant full-length human Estrogen Receptor alpha protein was used as the immunogen for the ERa antibody.

Storage

Store the ERa antibody at 2-8oC (up to one month) or aliquot and store at -20oC (longer term).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com