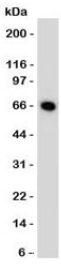
Estrogen Receptor Antibody (alpha) [clone NR3Ga-1] (V7060)

Catalog No.	Formulation	Size
V7060-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7060-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7060SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	NR3Ga-1
Purity	Protein G affinity chromatography
Gene ID	2099
Localization	Nuclear
Applications	Western blot: 1-2ug/ml
Limitations	This Estrogen Receptor antibody is available for research use only.



MCF7 cells western blot tested with Estrogen Receptor antibody (ER505). Predicted molecular weight ~67 kDa.

Description

Estrogen receptor (ER) is an important regulator of growth and differentiation in the mammary gland. It is found in two forms, alpha and beta. Both forms are widely expressed, however, alpha is the predominant form in endometrium and

breast cancer cells, and beta is more highly expressed in brain, kidney, heart, lung and bone. Activated Estrogen receptor dimerizes and forms both homo- and heterodimers. ER contains five domains: A-F. The A and B domain are able to weakly activate ER in the absence of ligand. The C domain binds DNA and the E domain contains the ligand binding site. Presence of ER in breast tumors indicates an increased likelihood of response to anti-estrogen (e.g. tamoxifen) therapy. This antibody is specific to estrogen receptor alpha and shows minimal cross-reaction with other members of the family.

For a microarray-validated Estrogen receptor alpha antibody supporting high-specificity detection, see clone ESR1/3557.

Application Notes

Titration of the Estrogen Receptor antibody may be required for optimal performance.

Immunogen

Estrogen Receptor alpha protein (aa 2-185) was used as the immunogen for this antibody.

Storage

Store the Estrogen Receptor antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (2)

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