Recombinant Estrogen Receptor alpha Antibody [clone rESR1/7162] (V4010)

Catalog No.	Formulation	Size
V4010-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4010-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4010SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rESR1/7162
Purity	Protein A/G affinity
UniProt	P03372
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This recombinant Estrogen Receptor alpha antibody is available for research use only.



Description

Recognizes a protein of 67kDa, which is identified as estrogen receptor (ER) alpha. The ER gene consists of more than 140kb of genomic DNA divided into 8 exons, being translated into a protein with six functionally discrete domains, labeled A through F. This antibody strongly stains the nucleus of epithelial cells in breast carcinomas. The 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 antiestrogen (e.g. tamoxifen) therapy.

For comprehensive detection of Estrogen receptor alpha across hormone signaling and breast cancer studies, see our Estrogen Receptor alpha antibody (clone ESR1/3557).

Application Notes

Optimal dilution of the recombinant Estrogen Receptor alpha antibody should be determined by the researcher.

Immunogen

A recombinant fragment corresponding to the C-terminus from the human ER alpha was used as the immunogen for the recombinant Estrogen Receptor alpha antibody.

Storage

Aliquot the recombinant Estrogen Receptor alpha antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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