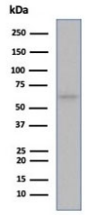
ESR1 Antibody / Estrogen Receptor alpha [clone ESR1/6983R] (V9393)

Catalog No.	Formulation	Size
V9393-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9393-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9393SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

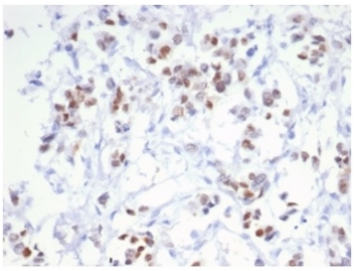
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	ESR1/6983R
Purity	Protein A/G affinity
UniProt	P03372
Localization	Nucleus
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This recombinant ESR1 antibody is available for research use only.



ESR1 Antibody MCF7 Cell WB. Western blot testing of human MCF-7 cell lysate using recombinant ESR1 antibody (clone ESR1/6983R).



ESR1 Antibody Breast Cancer IHC. Immunohistochemistry staining of FFPE human breast carcinoma tissue with recombinant ESR1 antibody (clone ESR1/6983R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

ESR1 Antibody detects Estrogen receptor (ER), belonging to the steroid receptor superfamily of nuclear receptors. It is a protein with 553 amino acids. The receptor molecule has three domains, i.e. the central DNA-binding domain, the hormone-binding domain at the C-terminal, and the transcription-activating domain at the N-terminal. ER mediates regulatory functions of female sex steroids, mainly 17 (E2), on growth, differentiation and function in several target tissues, including female and male reproductive tract, mammary gland, and skeletal and cardiovascular systems. Studies have shown ER can be used as a tumor marker, preferentially in combination with an antibody to progesterone receptor, e.g., in the classification of adenocarcinomas.

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 ESR1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 495-595 was used as the immunogen for the recombinant ESR1 antibody.

Storage

Aliquot the recombinant ESR1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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