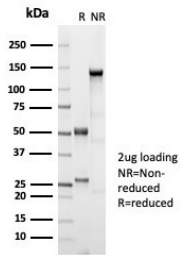
ER beta 1 Antibody / Estrogen Receptor beta 1 [clone ESR2/7006R] (V5609)

Catalog No.	Formulation	Size
V5609-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5609-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5609SAF-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	ESR2/7006R
Purity	Protein A/G affinity
UniProt	Q92731
Localization	Nucleus
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-3ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 2-4ug/ml
Limitations	This recombinant ER beta 1 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free recombinant ER beta 1 antibody (clone ESR2/7006R) as confirmation of integrity and purity.

Description

Estrogen receptors (ER) are members of the steroid/thyroid hormone receptor superfamily of ligand-activated transcription factors. Estrogen receptors, including ER-alpha and ER-beta, contain DNA binding and ligand binding domains and are critically involved in regulating the normal function of reproductive tissues. They are located in the nucleus, though some estrogen receptors associate with the cell surface membrane and can be rapidly activated by exposure of cells to estrogen. ER-alpha and ER-beta are differentially activated by various ligands. Receptor-ligand interactions trigger a cascade of events, including dissociation from heat shock proteins, receptor dimerization, phosphorylation and the association of the hormone activated receptor with specific regulatory elements in target genes. Evidence suggests that ER-alpha and ER-beta may be regulated by distinct mechanisms even though they share many functional characteristics.

For comprehensive detection of Estrogen receptor beta across hormone signaling and tumor biology studies, see our Estrogen Receptor beta antibody (clone ERb455).

Application Notes

Optimal dilution of the recombinant ER beta 1 antibody should be determined by the researcher.

Immunogen

A C-terminus fragment of recombinant human estrogen receptor beta protein was used as the immunogen for the recombinant ER beta 1 antibody.

Storage

Aliquot the recombinant ER beta 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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