

ER (ZR2)

Rabbit Monoclonal Antibody

Specificity: Humans

Immunogen: A synthetic peptide corresponding to residues on the C-terminus of human ER-alpha

Ig Class: IgG

Storage: Store at 2-8°C for up to 2 years for concentrate form and 1 year for predilute form

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:50. *Positive Control:* Breast carcinoma. *Localization:* Nuclear. *Intended Use:* Analyte Specific Reagent (ASR).

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.

Intended Use: This antibody is intended for Analyte Specific Reagent (ASR). ER (ZR2) rabbit monoclonal primary antibody is intended for laboratory use in the detection of ER in formalin-fixed, paraffin-embedded tissue by immunohistochemical (IHC) staining. The staining results should be interpreted by qualified pathologists in conjunction with the patient's relevant clinical history.

Supplied As: Purified antibody in Tris-HCl buffer containing stabilizing protein and <0.1% sodium azide.

References:

1. Cheang MC, et al. J Clin Oncol. 2006; 24:5637 -44.
2. Rossi S, et al. Am J Clin Pathol. 2005; 124:295-302.
3. Cano G, et al. Diagn Cytopathol. 2003; 29:207-11.

REF Z2021RL-A/ Z2021RS-A/ Z2021RT-A/ Z2021RP-A (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)