



Rev: A

Release Date: 03/13/2014

IVD

Her2/Erb2 (EP3)

Clone	EP3
Source	Rabbit Monoclonal
Cat #	PR047-6ml RTU PR047-3ml RTU CR047-0.1ml Conc CR047-0.5ml Conc
Regulatory Status	IVD

Intended Use:

This antibody is intended for use to qualitatively identify Her2/Erb2 by light microscopy in formalin fixed, paraffin embedded tissue sections using immunohistochemical detection methodology. Interpretation of any positive or negative staining must be complemented with the evaluation of proper controls and must be made within the context of the patient's clinical history and other diagnostic tests. A qualified pathologist must perform evaluation of the test.

Summary and Explanation:

HER2 / ErbB2 is one of the four members of the ErbB receptor family of transmembrane receptor-like tyrosine kinases. The kinase activity of ErbB2 can be activated without ligand if it is overexpressed, and by association with other ErbB proteins. Overexpression of ErbB2 is detected in almost 40% of human breast cancers..

Immunogen: A synthetic peptide corresponding to residues near the C-terminus of human Her2 protein.
Rabbit Monoclonal Antibody

Isotype: Rabbit IgG

Reagent Provided:

Concentrated format: Antibody to Her2/Erb2 is affinity purified and diluted in antibody diluent, with 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN₃).
Recommended dilutions: 1:100.
The antibody dilution and protocol may vary depending on the specimen preparation and specific application. Optimal conditions should be determined by individual laboratory.

Pre-diluted format: PathnSitu ready to use antibodies are pre tittered to optimal staining conditions. Further dilution may loose the activity and may yield to sub optimal staining.

Storage Recommendations: Store at 2°-8°C. Do not use after expiration date provided on the vial.

Staining Recommendations:

Antigen Retrieval Solution: Use **EDTA Buffer(PathnSitu Cat # PS008)** as antigen retrieval solution
Heat Retrieval Method: Retrieve sections under steam pressure for 15 min using PathnSitu's MERS (Multi Epitope Retrieval System) then allow solution to cool for 10 minutes then transfer tissue sections/slides to distilled water.

Primary Antibody: Cover the tissue sections with primary antibody and incubate for 30 min at room temperature when used PathnSitu PolyExcel Detection System.

Detection System: Refer to PathnSitu PolyExcel detection system protocol or manufacturer's detection kit staining protocol when used other vendor detection system.

Cellular Localization: Membrane

Positive Control: Breast Ca

Troubleshooting: Follow the antibody specific protocol recommendations according to data sheet provided. If unusual results occur, contact PathnSitu Technical Support at 040-2701 5544 or techsupport@pathnsitu.com.

Limitations and Warranty: There are no warranties, expressed or implied, which extend beyond this description. PathnSitu is not liable for property damage, personal injury, or economic loss caused by this product.

Bibliography: 1.Nakapoulou LL, Alexiadou A, Theodoropoulos GE, Lazaris AC, Tzonou A, Keramopoulos A. Prognostic significance of the co-expression of p53 and c-erbB-2 protein in breast cancer. J Pathol, May; 179(1):31-38, 1996.

Her2/Erb2, EP3 antibody has been created by Epitomics Inc., using Epitomics' proprietary rabbit monoclonal antibody technology covered under Patent No.'s 5,675,063 and 7,402,409.