

## c-erbB-2/HER2

Concentrated and Prediluted Rabbit Monoclonal Antibody

Control Number: 903-342-060614

<b>Catalog Number:</b>	<b>ACA 342 A, B</b>	<b>APA 342 AA</b>	<b>OAA 342 T70</b>
<b>Description:</b>	0.1, 0.5 ml, concentrated	6.0 ml, prediluted	70 tests, prediluted
<b>Dilution:</b>	1:50-1:100	Ready-to-use	Ready-to-use
<b>Diluent:</b>	Da Vinci Green	N/A	N/A

### Intended Use:

Analyte Specific Reagent. Analytical and performance characteristics are not established.

### Summary & Explanation:

Studies have shown this antibody recognizes a protein of 185 kDa, identified as the second member (c-erbB-2/HER-2) of the c-erbB family. This rabbit monoclonal antibody is directed against the cytoplasmic domain of the human c-erbB-2 protein. The c-erbB-2 is closely related in structure to the epidermal growth factor receptor. Studies have shown the c-erbB-2 protein is over-expressed in a variety of carcinomas, especially those of breast and ovary. Immunohistochemical staining correlates with gene amplification. Studies have also shown that c-erbB-2 positive breast cancer usually correlates with negative staining for estrogen and progesterone receptors; thus a poorer predictive outcome is correlated with c-erbB-2 staining.

**Source:** Rabbit monoclonal

**Clone:** EP3 (previously known as EP1045Y)

**Isotype:** IgG

### Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

### Supplied As:

Buffer with protein carrier and preservative

### Storage and Stability:

Store at 2°C to 8°C. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

### Analyte Specific Reagent Note:

ACA/APA342 have been quality controlled by IHC using Biocare's MACH 4 Universal HRP Polymer Detection. Quality control of OAA342 has been performed by IHC using the ONCORE Automated Slide Stainer with Rabbit HRP Detection, pH 6 heat-induced epitope retrieval at 95°C and DS Buffer. However, it is the responsibility of the laboratory or the end-user to develop their own protocol and label appropriate disclaimer.

### References:

1. Suthipintawong C, *et al.* Immunostaining of estrogen receptor, progesterone receptor, MIB1 antigen, and c-erbB-2 oncoprotein in cytologic specimens: a simplified method with formalin fixation. *Diagn Cytopathol.* 1997 Aug;17(2):127-33.
2. Nakapoulou LL, *et al.* Prognostic significance of the co-expression of p53 and c-erbB-2 protein in breast cancer. *J Pathol.* 1996 May;179(1):31-8.

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