

## c-erbB-2/HER2

Concentrated and Prediluted Rabbit Monoclonal Antibody  
903-342-102220

**BIOCARE**  
M E D I C A L

Available Product Formats				
Format	Catalog Number	Description	Dilution	Diluent
Concentrate	ACA 342 A, B	0.1, 0.5 mL	1:50	Da Vinci Green
Predilute	APA 342 AA, H	6.0, 25 mL	Ready-to-use	N/A
ONCORE	OAA 342 T60	60 tests	Ready-to-use	N/A
ONCORE Pro	OPAA 342 T60	60 tests	Ready-to-use	N/A
VALENT	VLTRZ 342 G20	20 mL	Ready-to-use	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. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use after expiration date. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

### 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.
3. Center for Disease Control Manual. Guide: Safety Management, NO. CDC-22, Atlanta, GA. April 30, 1976 "Decontamination of Laboratory Sink Drains to Remove Azide Salts."
4. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition CLSI document M29-A4 Wayne, PA 2014.

Produced using Abcam's RabMAb® technology. RabMAb® technology is covered by the following U.S. Patents, No. 5,675,063 and/or 7,429,487.



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