

C-ErbB-2/HER-2

Format	Catalog no.	Pack size	Dilution
Concentrated	GB342A,B	0.1, 0.5 mL	1:50
Prediluted	GB342AA,H	6.0, 25 mL	Ready to use

PRODUCT DESCRIPTION -

This antibody identifies an 185 kDa protein, designated as the second member (cerbB-2/HER-2) of the c-erbB family. This rabbit monoclonal antibody targets the cytoplasmic domain of the human c-erbB-2 protein.

INTENDED USE -

This rabbit antibody is intended to detect c-erbB-2/HER-2 protein.

SUMMARY AND EXPLANATION -

This antibody identifies an 185 kDa protein, designated as the second member (cerbB-2/HER-2) of the c-erbB family. This rabbit monoclonal antibody targets the cytoplasmic domain of the human c-erbB-2 protein

PRINCIPLE OF PROCEDURE -

Antigen detection in tissues and cells is a multi-step immunohistochemistry procedure. The first step attaches the primary antibody to its designated epitope. Following the tagging of the antigen with a primary antibody, either a one-step or two-step detection method may be employed. A one-step procedure will utilize a polymer tagged with an enzyme that binds to the main antibody. A two-step approach will involve the addition of a linker antibody to connect with the main antibody. An enzyme-conjugated polymer is subsequently introduced to bind the linker antibody. The presence of bound antibodies is demonstrated by a colorimetric response.

SOURCE - : Rabbit monoclonal

SPECIES REACTIVITY - Human

CLONE - EP3 (previously known as EP1045Y)

ISOTYPE - IgG

PROTEIN CONCENTRATION - Call for lot specific Ig concentration.

EPITOPE/ANTIGEN- c-erbB-2/HER-2

KNOWN APPLICATIONS - Immunohistochemistry

30-40 min. At RT. Staining of formalin-fixed tissues requires heating tissue sections in between pH 7.4 - 9.0 for 45 min at 95°C followed by cooling at room temperature for 20 minutes.

SUPPLIED AS - Buffered saline solution, pH 7.2-7.4, containing a protein carrier and less than 0.1% sodium azide preservative. See Safety Data Sheet for additional details.

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.

Materials required but not provided -

- 1) Positive tissue control
- 2) Negative control tissue (internal or external)
- 3) Microscope slides and coverslips
- 4) Staining jars or baths
- 5) Timer
- 6) Xylene or xylene substitute
- 7) Ethanol or reagent alcohol
- 8) Deionized or distilled water
- 9) Heating equipment or enzyme for tissue pretreatment step
- 10) Detection system
- 11) Chromogen
- 12) Wash buffer
- 13) Hematoxylin
- 14) Antibody diluents
- 15) Peroxide block
- 16) Light microscope
- 17) Mounting medium

LIMITATIONS-

This product is provided for Research Use Only (RUO) and is not for use in diagnostic procedures. Suitability for specific applications may vary and it is the responsibility of the end user to determine the appropriate application for its use.