

Anti-ErbB2 / HER2 neu (SP3)

Format	Catalog No.	Pack size	Dilution
Concentrated	G16662 A, B, C	0.1, 0.5, 1.0 ml	1:100-200
Prediluted	G16662 AA, BB	6.0, 3.0 ml	Ready to use

SPECIES: Rabbit monoclonal

IMMUNOGEN: c-erbB-2 protein

CLONE: SP3

ISOTYPE: IgG

SUPPLIED AS - Buffered saline solution, pH 7.2-7.4, containing a protein carrier and less than 0.1% sodium azide preservative.

SPECIES REACTIVITY: Humans; others not tested.

POSITIVE CONTROL: Breast cancer

CELLULAR LOCALIZATION: Cell membrane

BACKGROUND –

The 185 kDa protein that this antibody recognises is the second member of the c-erbB family (cerbB-2/HER-2). The human c-erbB-2 protein's cytoplasmic domain is the target of this rabbit monoclonal antibody. The structure of the c-erbB-2 and the epidermal growth factor receptor is quite similar.

SPECIES REACTIVITY : Humans; others not tested.

POSITIVE CONTROL : Breast cancer

CELLULAR LOCALIZATION : Cell membrane

TITER/WORKING DILUTION : Immunohistochemistry (Frozen and Formalin-fixed): 1-2ug/ml

Flow Cytometry: 1-2ug/million cells

Immunofluorescence: 1-3ug/ml

Western Blotting: 2-4ug/ml

MICROBIOLOGICAL STATE : This product is not sterile.

LIMITATIONS AND USES:

1. For Research Use Only (RUO).
2. Not to be consumed internally.
3. This product is designed for qualitative immunohistochemistry using formalin-fixed, paraffin-embedded
4. tissue sections from both normal and malignant tissues, which will be examined under a light microscope.
5. If the reagent gets hazy, don't use it.
6. Never use after the expiration date.
7. When working with reagents, exercise caution.
8. Not sterile.



Materials Required but not Provided

1. Positive Tissue Control: Routinely processed, neutral buffered formalin-fixed, paraffin-embedded Bladder or urothelial carcinoma
2. Negative tissue control (internal or external)
3. Microscope slides and coverslips
4. Staining jars or baths
5. Timer Instructions for Use (IFU)
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
18. Avidin-Biotin Blocking Reagents for use with streptavidin biotin detection

PROCEDURE –

1. **Tissue Section Pretreatment (Necessary):** Citrate Plus pretreatment greatly improves the staining of tissue slices that have been paraffin embedded and fixed with formalin.
2. **Incubation Time for Primary Antibody:** We recommend 30 minutes at room temperature for incubation.
However, the user should choose the best incubation time based on the staining system used and the fixing circumstances.
3. **Visualisation:** To get the highest staining intensity, we advise combining the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" with the "HRP Pack".

PRECAUTIONS –

1. Contains 0.09% w/v sodium azide as a preservative.
2. Avoid pipetting by mouth.
3. Reagents and specimens should not come into touch with skin or mucous membranes.
4. Prevent reagent contamination by microorganisms, as this could lead to an increase in nonspecific staining.
5. There are no dangerous materials in this product.

TECHNICAL SUPPORT

For technical assistance, please contact Genebio Solution's Technical Support at www.genebiosolution.com



4448 Ammendale Rd Beltsville, MD
20705, USA



www.genebiosolution.com



info@genebiosolution.com



+1 (408) 580-1396