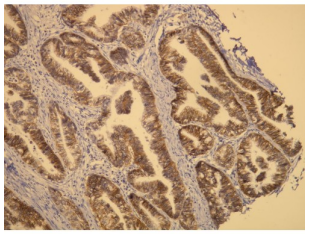
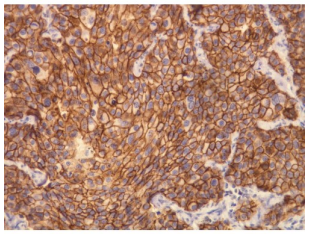
Receptor Tyrosine-Protein Kinase ErbB-2 (ERBB2) Antibody

Catalogue No.:abx227105



IHC-P analysis showing C-erbB-2 protein expression (3+) in adenocarcinoma of stomach (4 µm section).



IHC-P analysis of C-erbB-2 protein expression (3+) in breast ductalcarcinoma (4 µm section).

Receptor Tyrosine-Protein Kinase ErbB-2 (ERBB2) Antibody is a Rabbit Monoclonal antibody for the detection of C-erbB-2 (Her-2/neu).

Target:	Receptor Tyrosine-Protein Kinase ErbB-2 (ERBB2)
Clonality:	Monoclonal
Clone:	P503
Reactivity:	Human
Tested Applications:	IHC
Host:	Rabbit
Recommended dilutions:	IHC-P: 1/100 - 1/300. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Synthetic peptide derived from the C-terminal region of human C-erb-2.
Isotype:	IgG

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Form:	Liquid
Purification:	Purified from rabbit antiserum by proprietary techniques.
Storage:	Store at 2-8°C.
UniProt Primary AC:	P04626 (UniProt, ExPASy)
Buffer:	20 mM Tris-HCl, pH 8.0, containing 20 mg/ml BSA and 0.05% NaN3.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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Directions for use:

Suggested IHC-P Protocol

1. Preparation of Citrate Buffer (10 mM Citric Acid, 0.05% Tween-20, pH 6.0): Dissolve 1.92 g of anhydrous citric acid in 700 ml of distilled water. Adjust pH to 6.0 with 1 M NaOH and then add 0.5 ml of Tween-20 and mix thoroughly. Adjust the final volume to 1 L with distilled water. Store this solution at room temperature for up to 3 months or at 4 °C for long-term storage.
2. Preparation of Tris-EDTA Buffer (10 mM Tris Base, 1 mM EDTA solution, 0.05% Tween-20, pH 9.0): Mix 1.21 g Tris and 0.37 g EDTA and dissolve in 700 ml of distilled water. Adjust pH to 9.0 with 1 M HCl and then add 0.5 ml of Tween-20 and mix thoroughly. Adjust the final volume to 1 L with distilled water. Store this solution at room temperature for up to 3 months or at 4 °C for long-term storage.
3. Preparation of Wash Buffer: Use PBS, pH 7.0-7.5, containing 0.05% Tween-20.
4. Deparaffinize the section in 3 changes of xylene, 10 minutes each.
5. Wash the section in 96%, 80% and 70% ethanol, 10 minutes each.
6. Rinse twice in distilled water, 5 minutes each.
7. Block endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H_2O_2) for 10 minutes.
8. Wash twice in distilled water, 5 minutes each.
9. Antigen retrieval: immerse the slide in either Citrate buffer (pH 6.0) or Tris-EDTA buffer (pH 9.0), and incubate in a water bath for 20-25 minutes at 95-97 °C.
10. Remove the slide from the water bath and allow to stand at room temperature for 15 minutes in the buffer used in the previous step.
11. Rinse twice in distilled water, 5 minutes each.
12. Wash twice in Wash Buffer, 5 minutes each.
13. Incubate the section with primary antibody at 1/100 - 1/300 dilution for 1 hour in a closed wet chamber. It is recommended to use abx291502 Primary Antibody Diluent or a diluent containing protease-free BSA (> 1 mg/ml) to dilute this antibody.
14. Wash 3 times with Wash Buffer, 5 minutes each.
15. Add the secondary antibody and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB). It is recommended to use abx291501 Rabbit and Mouse HRP/DAB Detection Kit.
16. Wash 3 times in Wash Buffer, 5 minutes each.
17. Apply the DAB chromagen for 1-3 minutes.
18. Wash twice in distilled water, 5 minutes each.
19. Stain in hematoxylin for 5 minutes.
20. Wash 3 times in distilled water, 2 minutes each.
21. Mount the slide for observation.

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