

Her2 / ErbB2 antibody [ERBB2/2453]

Cat. No. GTx17894

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	IHC-P, Protein Array
Reactivity	Human

Package
100 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
IHC-P	1-2µg/ml for 30 min at RT
Protein Array	Assay dependent

Note : Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes.

Not tested in other applications.

Product Note Recognizes a protein of 185kDa, which is identified as c-erbB-2/HER-2/neu. Its epitope is localized in the extracellular domain.

Properties

Form	Liquid
Buffer	PBS, 0.05% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant human HER-2 protein fragment (around aa 311-462) (exact sequence is proprietary)
Purification	Protein A/G purified
Conjugation	Unconjugated



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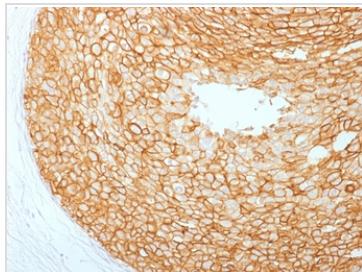
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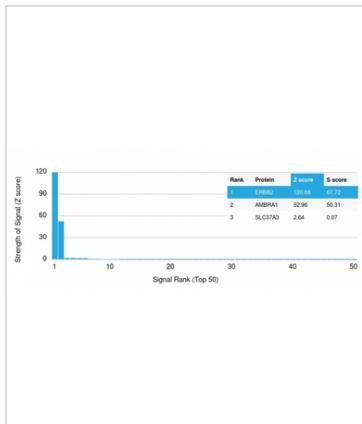
Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

**GTX17894 IHC-P Image**

IHC-P analysis of human breast carcinoma tissue using GTX17894 Her2 / ErbB2 antibody [ERBB2/2453].

**GTX17894 Protein Array Image**

Analysis of Protein Array containing more than 19,000 full-length human proteins using HER-2 Mouse Monoclonal Antibody (ERBB2/2453). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



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