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36-2232: Anti-HER-2 / c-erbB-2 / neu / CD340 Monoclonal Antibody(Clone: ERBB2/3093)

Clonality :	Monoclonal
Clone Name :	ERBB2/3093
Application :	IHC
Reactivity :	Human
Gene :	ERBB2
Gene ID :	2064
Uniprot ID :	P04626
Alternative Name :	p185, CD340, Verb b2 Erythroblastic Leukemia Viral Oncogene Homolog 2, Neuro/Glioblastoma Derived Oncogene Homolog
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant human HER-2 protein fragment (around aa 311-462) (exact sequence is proprietary)

Description

Recognizes a protein of 185kDa, which is identified as c-erbB-2/HER-2/neu. Its epitope is localized in the extracellular domain. C-erbB-2/HER-2 is a member of the EGFR family. This MAb is specific and shows minimal cross-reaction with other members of the EGFR-family. Receptors of this family are located on the plasma membrane and consist of an extracellular ligand-binding domain that is connected to a large intracellular domain by a single transmembrane sequence. c-erbB-2/HER-2 protein is over-expressed in a variety of carcinomas especially those of breast and ovary.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

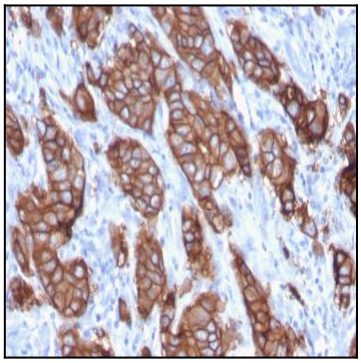

Fig. 1: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with HER-2 Monospecific Mouse Monoclonal Antibody (ERBB2/3093).

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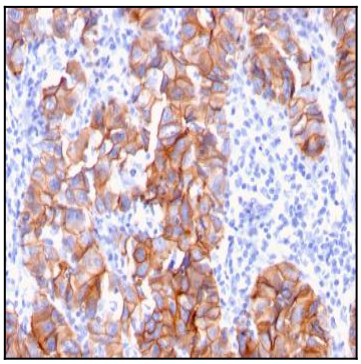

Fig. 2: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with HER-2 Monospecific Mouse Monoclonal Antibody (ERBB2/3093).

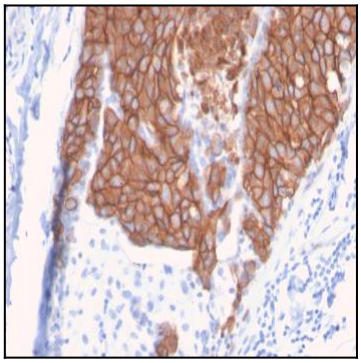

Fig. 3: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with HER-2 Monospecific Mouse Monoclonal Antibody (ERBB2/3093).

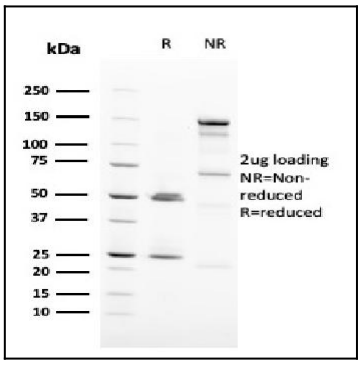

Fig. 4: SDS-PAGE Analysis Purified HER-2 Monospecific Mouse Monoclonal Antibody (ERBB2/3093). Confirmation of Purity and Integrity of Antibody.

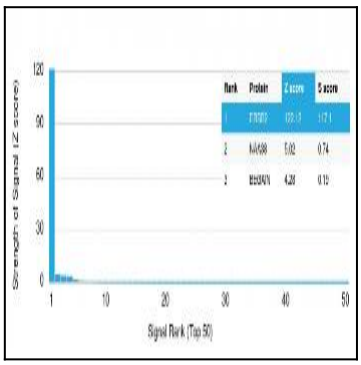

Fig. 5: Analysis of Protein Array containing more than 19,000 full-length human proteins using HER-2 Mouse Monoclonal Antibody (ERBB2/3093). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary 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 MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.