

36-2230: Anti-HER-2 / c-erbB-2 / neu / CD340 Monoclonal Antibody(Clone: ERBB2/3080)

| | |
|--------------------------------|---|
| Clonality : | Monoclonal |
| Clone Name : | ERBB2/3080 |
| Application : | IHC |
| Reactivity : | Human |
| Gene : | ERBB2 |
| Gene ID : | 2064 |
| Uniprot ID : | P04626 |
| Alternative Name : | p185, 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°C followed by cooling at RT for 20 minutes);

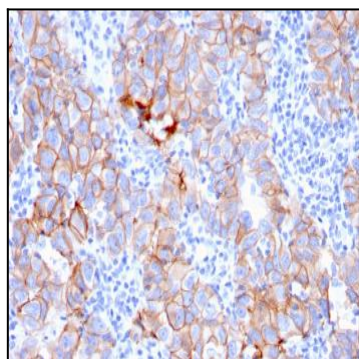


Fig. 1: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with HER-2 Mouse Monoclonal Antibody (ERBB2/3080).

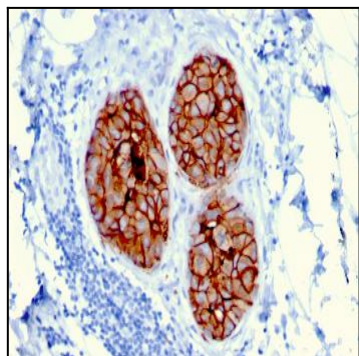


Fig. 2: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with HER-2 Mouse Monoclonal Antibody (ERBB2/3080).

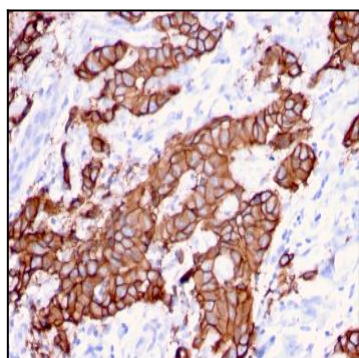


Fig. 3: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with HER-2 Mouse Monoclonal Antibody (ERBB2/3080).

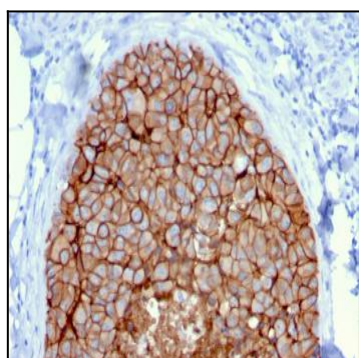


Fig. 4: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with HER-2 Mouse Monoclonal Antibody (ERBB2/3080).

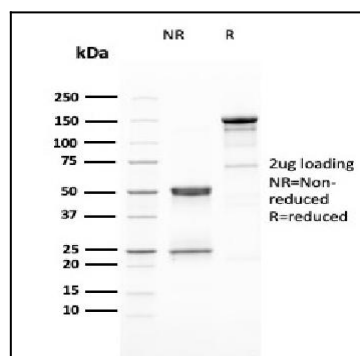


Fig. 5: SDS-PAGE Analysis Purified HER-2 Mouse Monoclonal Antibody (ERBB2/3080). Confirmation of Purity and Integrity of Antibody.

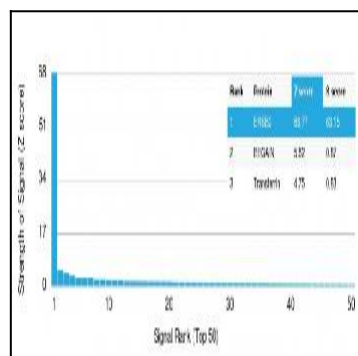


Fig. 6: Analysis of Protein Array containing more than 19,000 full-length human proteins using HER-2 Mouse Monoclonal Antibody (ERBB2/3080). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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 HuProt™ 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.