

Product datasheet for **TA354161**

Her2 (ERBB2) Mouse Monoclonal Antibody [Clone ID: S-495]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | S-495 |
| Applications: | IF |
| Recommended Dilution: | WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | A synthetic peptide corresponding to the C-terminus of Her2 protein. This sequence is identical in human, mouse, and rat. |
| Formulation: | This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer. |
| Purification: | The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | ~185 kDa |
| Gene Name: | erb-b2 receptor tyrosine kinase 2 |
| Database Link: | NP_001005862 Entrez Gene 13866 Mouse Entrez Gene 24337 Rat Entrez Gene 2064 Human P04626 |



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Background:

Oncoprotein Her-2/Neu/ c-erbB-2 belongs to one of the four members of the ErbB receptor family. They are transmembrane receptor-like tyrosine kinases which can be autophosphorylated without ligand binding process when it is overexpressed in breast cancers. Her2 is an important biomarker in breast cancer diagnosis. The antibodies/ heregulin can suppress phosphorylation of HER2 on tyrosine Y1248. Endogenous anti-HER2 antibodies can effectively suppress HER2 kinase activity and downstream signaling to inhibit the transformed phenotype of HER2-expressing tumor cells. Thus, anti-Her2 antibodies have been used widely in the treatment of the breast cancer and other carcinomas.

Synonyms:

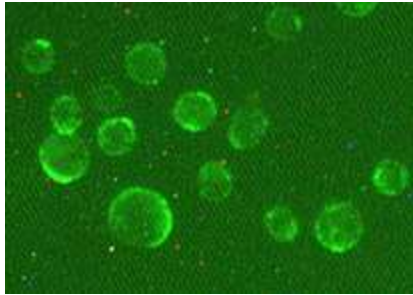
CD340; HER-2; HER2; MLN 19; NEU; neu; NGL; TKR1

Protein Families:

Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways:

Adherens junction, Bladder cancer, Calcium signaling pathway, Endometrial cancer, ErbB signaling pathway, Focal adhesion, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer

Product images:

IF: SK-BR-3 cells were fixed and immunoblotted by Mouse anti-Her-2 incubation at a 1:250 dilution.