

## Goat anti-ERBB2 / HER2 (aa182-194) Antibody

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| <b>Item Number</b>     | dAP-3121                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Target Molecule</b> | Principle Name: ERBB2 / HER2 (aa182-194); Official Symbol: ERBB2; All Names and Symbols: ERBB2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); CD340; HER-2; HER-2/neu; HER2; MLN 19; NEU; NGL; TKR1; c-erb B2/neu protein; herstatin; metastatic lymph node gene 19 protein; neuroblas; Accession Number (s): NP_004439.2; NP_001005862.1; Human Gene ID(s): 2064; Non-Human GeneID(s): |
| <b>Immunogen</b>       | TLIDTNRSRACHP, is from internal region<br>This antibody is expected to recognize both reported isoforms (NP_004439.2; NP_001005862.1). The immunizing peptide represents part of the extracellular domain.                                                                                                                                                                                                                                                |
| <b>Applications</b>    | Pep ELISA, IHC<br><br>Species Tested: Human                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.                                                                                                                                                                                                                                                                                                                     |
| <b>Supplied As</b>     | lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.<br>Aliquot and store at -20°C. Minimize freezing and thawing.                                                                                                                                                                  |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 128000.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Western Blot</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>IHC</b>             | Immunohistochemistry: In paraffin embedded Human breast cancer shows cell membrane and cytoplasm staining in the affected cells of Her+ type and not in triple negative type. Recommended concentration, 4-6µg/ml.                                                                                                                                                                                                                                        |
| <b>Reference</b>       | Reference(s): Ahmad I, Patel R, Singh LB, Nixon C, Seywright M, Barnetson RJ, Brunton VG, Muller WJ, Edwards J, Sansom OJ, Leung HY. HER2 overcomes PTEN (loss)-induced senescence to cause aggressive prostate cancer. Proc Natl Acad Sci U S A. 2011 Sep 27;108(39):16392-7..PMID: 21930937->                                                                                                                                                           |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**