

## Rabbit Anti-ERBB2 Polyclonal Antibody

CPB-982RH Rabbit(ERBB2)

Lot. No. (See product label)

### PRODUCT INFORMATION

|                            |                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Rabbit Anti-ERBB2 Polyclonal Antibody                                                                                                                                                                     |
| <b>Antigen Description</b> | Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Not activated by EGF, TGF-alpha and amphiregulin. |
| <b>specificity</b>         | The antibody detects endogenous level of total ERBB2 protein.                                                                                                                                             |
| <b>Target</b>              | ERBB2                                                                                                                                                                                                     |
| <b>Immunogen</b>           | Peptide sequence around aa.1246~1250 (P-E-Y-L-G) derived from Human ERBB2.                                                                                                                                |
| <b>Host</b>                | Rabbit                                                                                                                                                                                                    |
| <b>Species</b>             | Human                                                                                                                                                                                                     |
| <b>Cross Reactivity</b>    | Human; Mouse; Rat                                                                                                                                                                                         |
| <b>conjugation</b>         | N/A                                                                                                                                                                                                       |
| <b>Applications</b>        | IFA, WB, IHC                                                                                                                                                                                              |

### PACKAGING

|                |                                                                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Format</b>  | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| <b>Storage</b> | Store at -20°C /1 year                                                                                                                                       |

### ANTIGEN GENE INFORMATION

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| <b>Gene Name</b>       | <a href="#">ERBB2 v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) [ Homo sapiens ]</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b> | ERBB2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>        | ERBB2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian); NGL; v erb b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); receptor tyrosine-protein kinase erbB-2; CD340; HER 2; HER2; NEU; herstatin; p185erbB2; proto-oncogene Neu; c-erb B2/neu protein; proto-oncogene c-ErbB-2; metastatic lymph node gene 19 protein; tyrosine kinase-type cell surface receptor HER2; neuroblastoma/glioblastoma derived oncogene homolog; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog); NGL; TKR1; HER-2; MLN 19; HER-2/neu; |
| <b>GeneID</b>          | <a href="#">2064</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | <a href="#">NM_001005862</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | <a href="#">NP_001005862</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>             | <a href="#">164870</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>      | P04626                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**Chromosome Location** 17q11.2-q12

**Pathway**

Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Axon guidance, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Calcium signaling pathway, organism-specific biosystem;

**Function**

ATP binding; ErbB-3 class receptor binding; Hsp90 protein binding; RNA polymerase I core binding; epidermal growth factor-activated receptor activity; glycoprotein binding; contributes\_to growth factor binding; identical protein binding; nucleotide binding; protein C-terminus binding; protein binding; protein dimerization activity; protein heterodimerization activity; protein heterodimerization activity; protein heterodimerization activity; protein phosphatase binding; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor activity; receptor signaling protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity; transmembrane signaling receptor activity; ubiquitin protein ligase binding;