

DNAxPAb

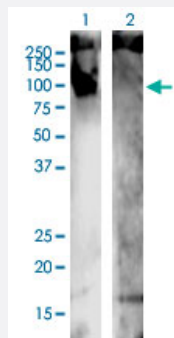
Hard-to-Find  
Antibody

# ERBB2 DNAxPab

Catalog # H00002064-W01P

Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of ERBB2 expression in transfected 293T cell line by ERBB2 DNAxPab polyclonal antibody.

Lane 1: ERBB2 transfected lysate(90.42 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Rabbit polyclonal antibody raised against a partial-length human ERBB2 DNA using DNAx™ Immune technology.

### Technology

[DNAx™ Immune](#)

### Immunogen

ERBB2 (AAI56756.1, 23 a.a. ~ 652 a.a) partial-length human DNA

### Sequence

TQVCTGTDMKRLRPASPETHLDMLRHLYQGCQVVQGNLELTYPNTASLSFLQDIQEVQGYVLAH  
NQVRQVPLQRLRMVGTQLFEDNYALAVLDNGDPLNNTTPVTGASPGGLRELQLRSLTEILKGGVLI  
QRNPQLCYQDITLWKDIFHKNNQLALTLIDTNRSRACHPCSPMCKGSRGWGESSEDCQSLTRTV  
CAGGCARCKGPLPTDCCHEQCAAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDTFESM  
PNPEGRYTFGASCVTACPYNYLSTDVGSCTLVCPHNEVTAEDGTQRCEKCSKPCARVCYGL  
GMEHLREVRAVTSANIQEFAGCKKIFGSLAFLPESFDGDPASNTAPLQPEQLQVFETLEEITGYLY  
SAWPDSLPDLSVFQNLQVIRGRILHNGAYSLTLQGLGISWLGLRSLRELGSGALIIHHNTHLCFVHT  
VPWDQLFRNPHQALLHTANRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQEC  
VEECRVLQGLPREYVNARHCLPCHPECQPQNGSVTCFGPEADQCACAHYKDPPFCVARCPS  
GVKPDLSYMPIWKFPDEEGACQPCPINCTHSCVDLDDKGCPAEQRASPLT

### Host

Rabbit

### Reactivity

Human

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Mouse (85); Rat (86)                                                     |
| Purification                  | Protein A                                                                |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer                | In 1x PBS, pH 7.4                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — ERBB2

|                     |                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">2064</a>                                                                                           |
| GeneBank Accession# | <a href="#">BC156755.1</a>                                                                                     |
| Protein Accession#  | <a href="#">AA156756.1</a>                                                                                     |
| Gene Name           | ERBB2                                                                                                          |
| Gene Alias          | CD340, HER-2, HER-2/neu, HER2, NEU, NGL, TKR1                                                                  |
| Gene Description    | v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) |
| Omim ID             | <a href="#">137215</a> <a href="#">137800</a> <a href="#">164870</a> <a href="#">211980</a>                    |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                      |

**Gene Summary**

This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq]

**Other Designations**

c-erb B2/neu protein|erbB-2|herstatin|neuroblastoma/glioblastoma derived oncogene homolog|v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog)

## Pathway

- [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](#)

## Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cell Transformation](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Fibroadenoma](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Heart Diseases](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Mouth Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)

- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Pharyngeal Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Tooth Abnormalities](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)