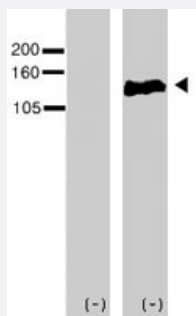


ERBB2 (phospho Y1248) polyclonal antibody

Catalog # PAB1958

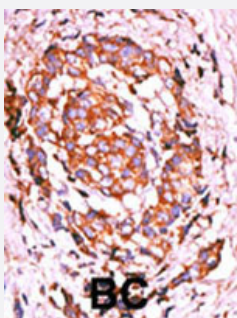
Size 400 uL

Applications



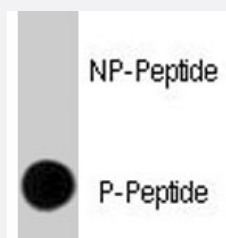
Western Blot (Cell lysate)

ERBB2 (phospho Y1248) polyclonal antibody (Cat # PAB1958) was used to detect phospho-ERBB2 in FG pancreatic carcinoma cell line lysate. FG pancreatic carcinoma cells treated with or without EGF (50 ug/mL) for 15 min ERBB2 (phospho Y1248) polyclonal antibody (Cat # PAB1958) was used in 3% BSA. Data and protocol kindly provided by Dr. Weis of Cheresch Lab, UCSD.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with ERBB2 (phospho Y1248) polyclonal antibody (Cat # PAB1958) which was peroxidase-conjugated to the secondary antibody followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Dot Blot (Peptide)

Dot blot analysis of ERBB2 (phospho Y1248) polyclonal antibody (Cat # PAB1958) on nitrocellulose membrane. 50 ug of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic phosphopeptide of ERBB2.

Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y1248 of human ERBB2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:8000) Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — ERBB2

Entrez GeneID [2064](#)

Protein Accession# [NP_004439:P04626](#)

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	137215 137800 164870 211980
Gene Ontology	Hyperlink
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)

Publication Reference

- [Effect of resveratrol on the development of spontaneous mammary tumors in HER-2/neu transgenic mice.](#)**
 Provinciali M, Re F, Donnini A, Orlando F, Bartozzi B, Di Stasio G, Smorlesi A.
 International Journal of Cancer 2005 May; 115(1):36.
- [Dietary \(n-3\) polyunsaturated fatty acids inhibit HER-2/neu-induced breast cancer in mice independently of the PPARgamma ligand rosiglitazone.](#)**
 Yee LD, Young DC, Rosol TJ, Vanbuskirk AM, Clinton SK.
 The Journal of Nutrition 2005 May; 135(5):983.
- [Identification and validation of novel ERBB2 \(HER2, NEU\) targets including genes involved in angiogenesis.](#)**
 Beckers J, Herrmann F, Rieger S, Drobyshev AL, Horsch M, Hrabé de Angelis M, Seliger B.
 International Journal of Cancer 2005 Apr; 114(4):590.

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](#)
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- [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](#)