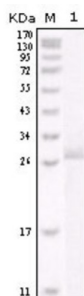
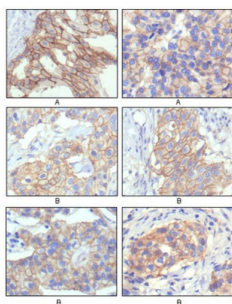


Receptor Tyrosine-Protein Kinase ErbB-2 (ERBB2) Antibody

Catalogue No.: abx012006



Western blot analysis using ERBB2 antibody against truncated ERBB2 recombinant protein.



Immunohistochemical analysis of paraffin-embedded human breast intraductal carcinoma tissues (A) and breast infiltrating ductal carcinoma tissues (B) showing membrane localization using ERBB2 antibody with DAB staining.

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.

Target:	Receptor Tyrosine-Protein Kinase ErbB-2 (ERBB2)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IHC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human ERBB2 (aa750-987) expressed in E. coli.

Datasheet

Version: 4.0.0
Revision date: 07 Sep 2025



Isotype:	IgG ₁ , IgG _{2b}
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P04626 (UniProt , ExPASy)
Gene Symbol:	ERBB2
GeneID:	2064
OMIM:	137800
HGNC:	3430
KEGG:	hsa:2064
Ensembl:	ENSG00000141736
String:	9606.ENSP00000269571
Enzyme Commission Number:	EC 2.7.10.1
Molecular Weight:	180 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.