



Swiss-Prot No.:	P04626
Storage/Stability:	Store at -20 °C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Immunogen:	A phospho specific peptide corresponding to residues surrounding Y877 of human ERBB2
Purification:	Affinity purification
Reactivity:	Human
Other Names:	—
Background:	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.

Gene ID:	2064
Source:	Rabbit
Antibody type:	Phosphorylated Antibodies
Isotype:	IgG
Molecular Weight:	62kDa/70kDa/97kDa/134kDa/136kDa/137kDa
Recommended Dilutions:	WB 1:500 - 1:2000