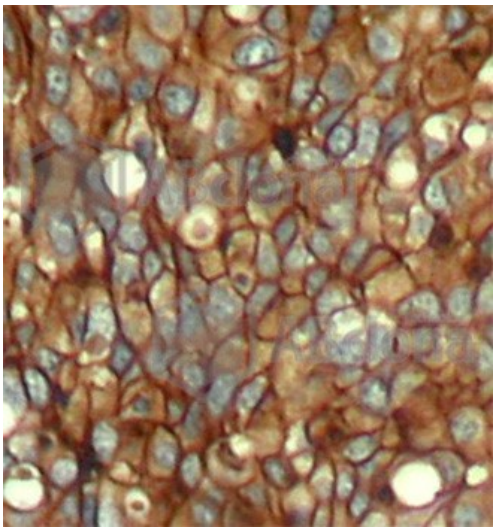
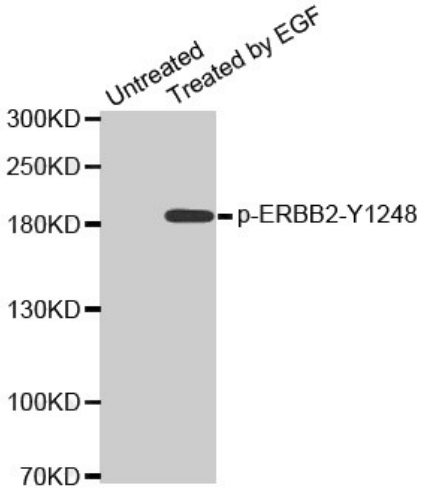
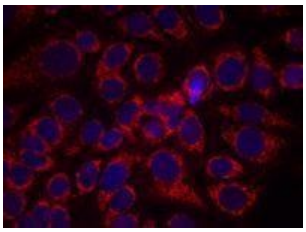
Product name:	Phospho-ErbB2/HER2-(Y1248)
Cat number:	ABP-0152
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A phospho specific peptide corresponding to residues surrounding Y1248 of human ERBB2
Reactivity:	Hu
Applications:	Western Blot: 1:1000 Immunohistochemistry: 1:50-1:100 Immunofluorescence: 1:100
Molecular Weight:	185kDa
Purification:	Affinity purification
Form:	liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20° C or -80° C (long term).Avoid freeze / thaw cycles.
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.



Immunohistochemistryof paraffin-embedded human breast carcinoma tissue using Phospho-ERBB2-Y1248 antibody.



Western blot analysis of extracts from MDA cells using Phospho-ERBB2-Y1248 antibody



Immunofluorescence staining of methanol-fixed MCF7 cells using Phospho -ERBB2-Y1248 antibody.