



# HER2 (Phospho-Tyr1139) rabbit pAb

Cat No.:ES15789

For research use only

## Overview

<b>Product Name</b>	HER2 (Phospho-Tyr1139) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;WB
<b>Species Cross-Reactivity</b>	Human; Mouse; Rat
<b>Recommended dilutions</b>	IHC-p 1:50-200, WB 1:500-2000
<b>Immunogen</b>	Synthesized peptide derived from human HER2 (Phospho-Tyr1139)
<b>Specificity</b>	This antibody detects endogenous phospho levels of HER2 (Phospho-Tyr1139) at Human:Y1139, Mouse:Y1140, Rat:Y1141
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	HER2 (Phospho-Tyr1139)
<b>Gene Name</b>	ERBB2 HER2 MLN19 NEU NGL
<b>Cellular localization</b>	[Isoform 1]: Cell membrane ; Single-pass type I membrane protein. Early endosome . Cytoplasm, perinuclear region. Nucleus. Translocation to the nucleus requires endocytosis, probably endosomal sorting and is mediated by importin beta-1/KPNB1. Also detecte
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	180kD
<b>Human Gene ID</b>	2064
<b>Human Swiss-Prot Number</b>	P04626
<b>Alternative Names</b>	Receptor tyrosine-protein kinase erbB-2 (EC 2.7.10.1;Metastatic lymph node gene 19 protein;MLN 19;Proto-oncogene Neu;Proto-oncogene c-ErbB-2;Tyrosine kinase-type





## Background

cell surface receptor HER2;p185erbB2;CD antigen CD340)

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 d

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

