bs-13090R

[Primary Antibody]

phospho-HER2 (Tyr1221) Rabbit pAb



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- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 2064 **SWISS:** P04626

Target: HER2 (Tyr1221)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human

HER2 around the phosphorylation site of Tyr1221: NL(p-Y)YW.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

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 mitogenactivated 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, Jul 2008].

Applications: ICC/IF (1:50-200)

Reactivity: Human (predicted: Mouse,

Rabbit, Pig, Dog, GuineaPig,

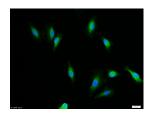
Horse)

Predicted MW.: 138 kDa

Subcellular Cell membrane ,Cytoplasm

Location: , Nucleus

VALIDATION IMAGES



Tissue/cell:A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-HER2 (Tyr1221)) polyclonal Antibody, Unconjugated (bs-13090R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei