

## Anti-Phospho-HER2/ERBB2 (Y1248) Antibody

Catalog Number: P00010-2

### About ERBB2

Receptor tyrosine-protein kinase erbB-2, also known as CD340 (cluster of differentiation 340), proto-oncogene Neu, ErbB2 (rodent), or ERBB2 (human), is a protein that in humans is encoded by the ERBB2 gene. And it is also frequently called HER2 (from human epidermal growth factor receptor 2) or HER2/neu. 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. 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.

### Overview

Product Name	Anti-Phospho-HER2/ERBB2 (Y1248) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-HER2/ERBB2 (Y1248) Antibody catalog # P00010-2. Tested in WB, IHC, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P04626

### Technical Details

Immunogen	A synthesized peptide derived from human HER2/ErbB2 around the phosphorylation site of Tyr1248.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

**Suggested Dilutions**

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-200  
Immunocytochemistry/Immunofluorescence, 1:50-200

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