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Anti-ErbB 2/ERBB2 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A00010-2-Fluoro594

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-ErbB 2/ERBB2 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P04626

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ErbB 2, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

6 Publications Citing This Product

1. PubMed ID: 10.3390/ijms14048422, MiR199b Suppresses Expression of Hypoxia-Inducible Factor 1alpha (HIF-1alpha) in Prostate Cancer Cells

2. PubMed ID: 10.1016/j.ijpharm.2013.12.016, Incorporation of lapatinib into core–shell nanoparticles improves both the solubility and anti-glioma effects of the drug

3. PubMed ID: 10.1038/aps.2014.26, Lapatinib-incorporated lipoprotein-like nanoparticles: preparation and a proposed breast cancer-targeting mechanism

Visit bosterbio.com/anti-erbb-2-picoband-trade-antibody-a00010-2-boster.html to see all 6 publications.

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Anti-ErbB 2/ERBB2 Antibody - Fluoro594

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