

Anti-ErbB2 (HER2) Monoclonal Antibody

Catalog Number: M00010-1

About ERBB2

The ion channels activated by glutamate are typically divided into two classes. Those that are sensitive to N-methyl-D-aspartate (NMDA) are designated NMDA receptors (NMDAR) while those activated by alpha-amino-3-hydroxy-5-methyl-4-isoxalone propionic acid (AMPA) are known as AMPA receptors (AMPA). The AMPAR are comprised of four distinct glutamate receptor subunits designated (GluR1-4) and they play key roles in virtually all excitatory neurotransmission in the brain (Keinänen et al., 1990; Hollmann and Heinemann, 1994). The GluR1 subunit is widely expressed throughout the nervous system. Phosphorylation of Ser-845 on GluR1 is thought to be mediated by PKA and phosphorylation of this site increases the conductance of the AMPAR (Roche et al., 1996; Banke et al., 2000). In addition, phosphorylation of this site has been linked to synaptic plasticity as well as learning and memory (Lee et al., 2003; Esteban et al., 2003).

Overview

Product Name	Anti-ErbB2 (HER2) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-ErbB2 (HER2) Monoclonal Antibody catalog # M00010-1. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal BCI-5
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P04626

Technical Details

Immunogen	A synthesized peptide derived from human ErbB2 (HER2).
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB 1:500-1:2000

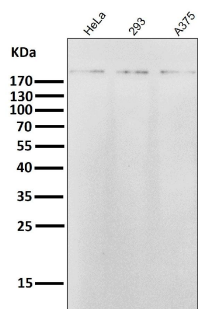
IHC 1:50-1:200

ICC/IF 1:50-1:200

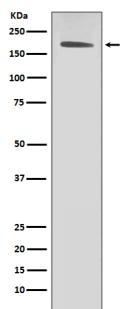
IP 1:50

FC 1:50

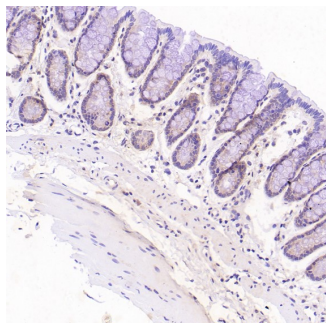
Anti-ErbB2 (HER2) Monoclonal Antibody (M00010-1) Images



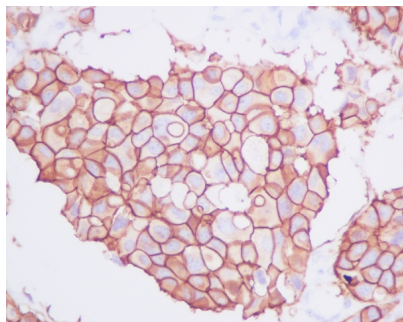
All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



Western blot analysis of ErbB2 (HER2) expression in SKBR-3 cell lysate.

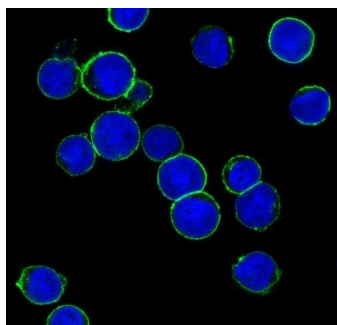
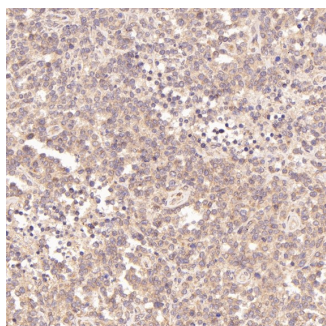


Immunohistochemical analysis of paraffin-embedded Rat stomach, using the Antibody at 1:50 dilution.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma, using ErbB2 (HER2) Antibody.

Immunohistochemical analysis of paraffin-embedded Human esophageal carcinoma, using the Antibody at 1:50 dilution.



Immunofluorescent analysis of SKBR cells, using ErbB2 (HER2) Antibody.

3 Publications Citing This Product

1. PubMed ID: 28667103, Tong ZJ, Shi NY, Zhang ZJ, Yuan XD, Hong XM. Biosci Rep. 2017 Aug 2;37(4). pii: BSR20170121. doi: 10.1042/BSR20170121. Print 2017 Aug 31. Expression and prognostic value of HER-2/neu in primary breast cancer with sentinel lymph node metastasis
2. PubMed ID: 21392403, Tao L, Suhua C, Juanjuan C, Zongzhi Y, Juan X, Dandan Z. Virol J. 2011 Mar 11;8:114. Doi: 10.1186/1743-422X-8-114. In Vitro Study On Human Cytomegalovirus Affecting Early Pregnancy Villous Evt'S Invasion Function.
3. PubMed ID: 24902791, Lapatinib-incorporated lipoprotein-like nanoparticles: preparation and a proposed breast cancer-targeting mechanism

Visit bosterbio.com/anti-erbb2-her2-antibody-m00010-1-boster.html to see all 3 publications.

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