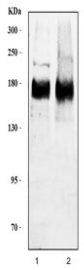
HER2 Antibody (R32662)

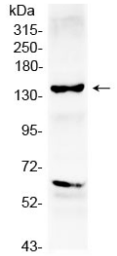
Catalog No.	Formulation	Size
R32662	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

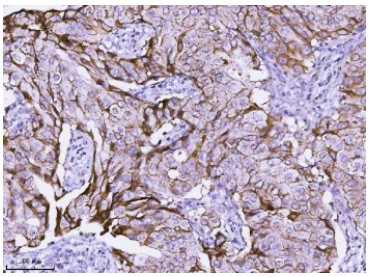
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P04626
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This HER2 antibody is available for research use only.



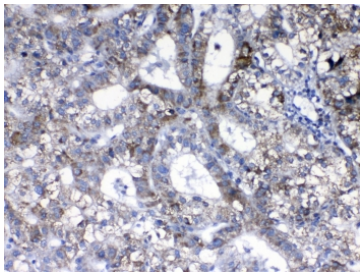
HER2 Antibody HeLa and MCF7 Cell WB. Western blot testing of human 1) HeLa and 2) MCF7 cell lysate with HER2 antibody. Predicted molecular weight ~138 kDa (unmodified), ~185 kDa (glycosylated).



HER2 Antibody HepG2 WB. Western blot testing of human HepG2 cell lysate with HER2 antibody. Predicted molecular weight ~138 kDa (unmodified), ~185 kDa (glycosylated).



IHC testing of FFPE breast cancer tissue with HER2 antibody. Required HIER: steam section in pH8 EDTA for 20 min and allow to cool prior to testing.



HER2 Antibody Liver Cancer IHC. Immunohistochemistry testing of FFPE human liver cancer tissue with HER2 antibody. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Description

HER2 Antibody detects 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.

For broad detection of HER2 (ErbB2) as a receptor tyrosine kinase, see our HER2 antibody.

Application Notes

Optimal dilution of the HER2 antibody should be determined by the researcher.

Immunogen

Amino acids 29-64 (TDMKLRLPASPETHLDMLRHLYQGCQVVQGNLELTY) from the human protein were used as the immunogen for the HER2 antibody.

Storage

After reconstitution, the HER2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.