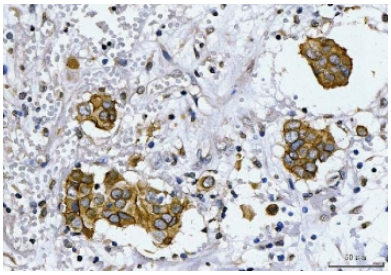
ERBB2 Antibody / HER2 (RQ7075)

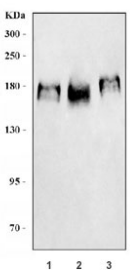
Catalog No.	Formulation	Size
RQ7075	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P04626
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This ERBB2 antibody is available for research use only.



IHC staining of FFPE human breast cancer tissue with ERBB2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human MCF7 and 3) mouse NIH 3T3 cell lysate with ERBB2 antibody. Expected molecular weight: 139-185 kDa depending on glycosylation level.

Description

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.

Application Notes

Optimal dilution of the ERBB2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids T23-H193) was used as the immunogen for the ERBB2 antibody.

Storage

After reconstitution, the ERBB2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.