Recombinant HER2/ErbB2/CD340 Monoclonal Antibody

catalog number: **AN300004P**

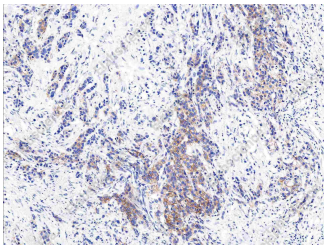
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

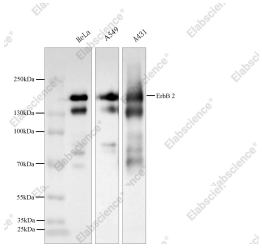
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human HER2/ErbB2/CD340 Protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110006
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	0.2 μm filtered solution in PBS.

Applications	Recommended Dilution
WB	1:1000
IHC-P	1:500-1:2000
ICC	1:100-1:200
IP	1:20-1:50
FCM	1:50-1:100

Data



Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue sections using HER2/ErbB2/CD340 Antibody (AN300004P) at a dilution of 1:750 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Western blot analysis of HeLa,A549 and A431 cell lysates using HER2/ErbB2/CD340 Antibody (AN300004P) at a dilution of 1:1000.
Observed-MW:185 kDa
Calculated-MW:138 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

Background

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. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. 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. [provided by RefSeq, Jul 2008]

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