

Datasheet for ABIN6655455

anti-ErbB2/Her2 antibody (Extracellular Domain)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ErbB2/Her2
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ErbB2/Her2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	c-erbB2 Antibody
Immunogen:	erbB2 monoclonal antibody was produced by repeated immunizations with a recombinant protein corresponding to amino acid residues encoding the extracellular domain of human c-erbB2 protein. The hybridoma was produced by fusing New Zealand White rabbit splenocytes and myeloma cells using conventional technology.
Clone:	SP3
Isotype:	IgG
Cross-Reactivity (Details):	The antibody is specific for human c-erbB2 protein.
Purification:	Anti-erbB2 Antibody is clarified tissue culture supernate.
Sterility:	Sterile filtered

Target Details

Target:	ErbB2/Her2
Alternative Name:	c-erbB2 (ErbB2/Her2 Products)
Background:	<p>Synonyms: rabbit anti-c-erbB2 Antibody, Receptor tyrosine-protein kinase erbB-2, p185erbB2, C-erbB-2, NEU proto-oncogene, tyrosine kinase-type cell surface receptor HER2, MLN 19, CD340</p> <p>Background: The ERBB2 gene encodes a member of the tyrosine protein kinase superfamily that is an essential component of a neuregulin-receptor complex called c-erbB2 (also known as Receptor tyrosine-protein kinase erbB-2, p185erbB2, C-erbB-2, NEU proto-oncogene, tyrosine kinase-type cell surface receptor HER2, MLN 19 and CD340), although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. C-erbB2 is not activated by EGF, TGF-alpha and amphiregulin. Defects in ERBB2 are associated with gastric cancer, familial glioma of brain (glioblastoma multiforme), ovarian cancer and lung cancer (adenocarcinoma of lung). c-erbB2 antibody is ideal for Cancer and Signal Transduction research.</p> <p>Gene Name: ERBB2</p>
Gene ID:	2064
NCBI Accession:	NP_001005862
UniProt:	P04626
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Skeletal Muscle Fiber Development

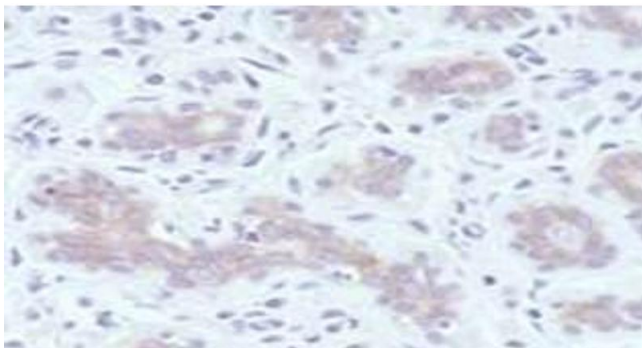
Application Details

Application Notes:	<p>ELISA_Dilution: 1:10,000</p> <p>Immunohistochemistry_Dilution: 1:100</p> <p>Western_Blot_Dilution: 1:200-1:500</p>
Comment:	<p>Anti-erbB2 Antibody monoclonal antibody contains TBS/1% BSA. Anti-erbB2 Antibody is tested with IHC and is suitable for ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 185 kDa in size corresponding to c-erbB2 protein by western blotting in the appropriate cell lysate or extract. For immunohistochemistry, samples should be formalin fixed and paraffin embedded.</p> <p>Deparaffinize slides using xylene or xylene alternatives and graded alcohols. Staining requires boiling of sections in 10 mM citrate buffer pH 6.0 for 10 min followed by cooling at RT for 20 min. C-erbB2 is found in human breast carcinoma tissue at the cell membrane.</p>
Restrictions:	For Research Use only

Handling

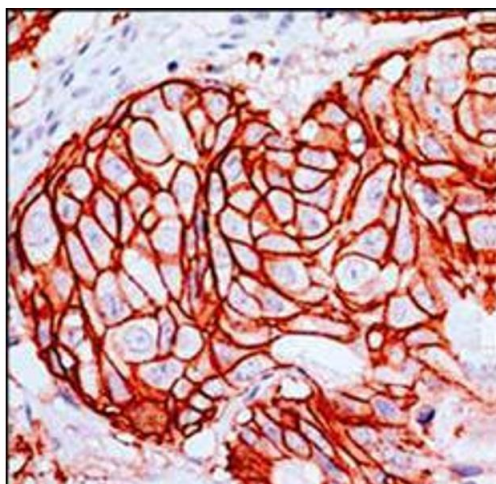
Format:	Liquid
Buffer:	Buffer: See application note. Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.1 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.
Expiry Date:	12 months

Images



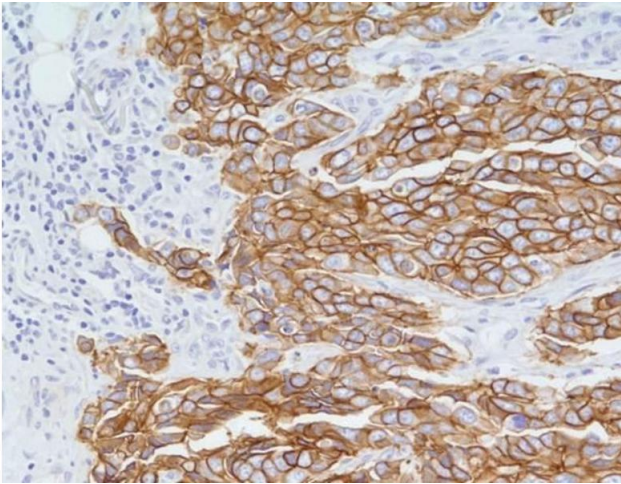
Immunohistochemistry

Image 1. Immunohistochemistry Anti-c-erbB-2/HER-2 antibody stains normal Human Breast tissue.



Immunohistochemistry

Image 2. Anti-c-erbB2 Monoclonal Antibody - Immunohistochemistry Anti-c-erbB2 Monoclonal Antibody (Rabbit) was used to detect c-erbB2 in human breast tumor tissue. Tissue was formalin-fixed and paraffin embedded. Staining requires boiling of sections in 10 mM citrate buffer pH 6.0 for 10 min followed by cooling at RT for 20 min. The primary antibody was diluted 1:100 and reacted with tissue for 30 min at RT.



Immunohistochemistry

Image 3. Anti-c-erbB2 Monoclonal Antibody-
Immunohistochemistry Ati-c-erbB-2/HER-2 antibody stains
Human Breast Carcinoma.