

Datasheet for ABIN969111

anti-ErbB2/Her2 antibody (AA 750-987)**3** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ErbB2/Her2
Binding Specificity:	AA 750-987
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ErbB2/Her2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human ERBB2(aa750-987) expressed in E. coli.
Clone:	6C2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	ErbB2/Her2
Alternative Name:	ERBB2 (ErbB2/Her2 Products)
Background:	Description: ERBB2: v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian). This gene encodes a member of the

Target Details

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.

Aliases: NEU, HER2, TKR1, CD340, HER-2

Molecular Weight:	180 kDa
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Gene ID:	2064
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HGNC:	2064
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Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Skeletal Muscle Fiber Development
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Ascitic fluid containing 0.03 % sodium azide.
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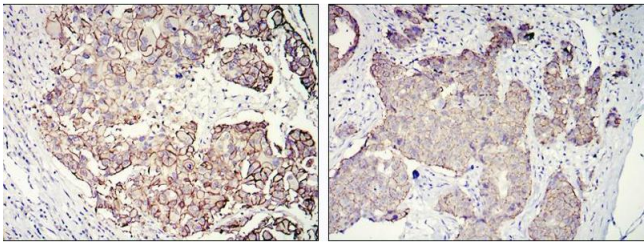
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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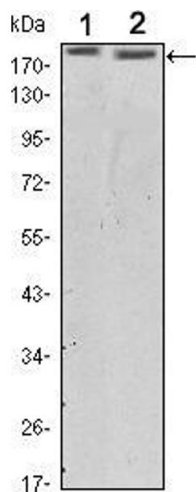
Storage Comment:	4°C, -20°C for long term storage
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Product cited in: Jacques, Pereira, Maia, Cuzzi, Ramos-e-Silva: "Expression of cytokeratins 10, 13, 14 and 19 in oral lichen planus." in: **Journal of oral science**, Vol. 51, Issue 3, pp. 355-65, (2009) ([PubMed](#)).



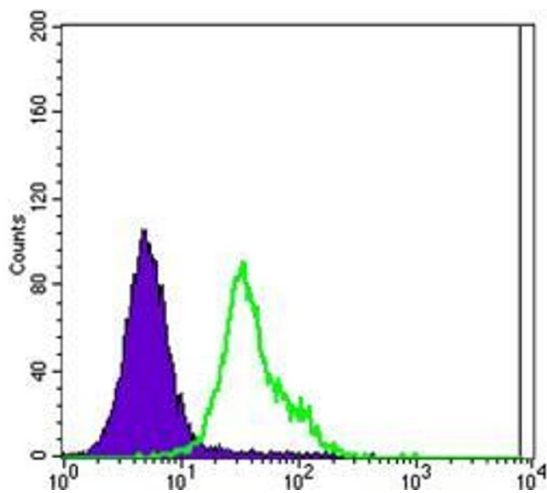
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded galactophore tumour using ERBB2 mouse mAb with DAB staining



Western Blotting

Image 2. Western blot analysis using ERBB2 mouse mAb against SKBR3 (1) and MCF-7 (2) cell lysate.



Flow Cytometry

Image 3. Flow cytometric analysis of MCF-7 cells using ERBB2 mouse mAb (green) and negative control (purple).