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# anti-ErbB2/Her2 antibody (AA 22-121)





### Overview

Quantity:	100 μg
Target:	ErbB2/Her2
Binding Specificity:	AA 22-121
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ErbB2/Her2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffinembedded Sections) (IHC (p)), Proximity Ligation Assay (PLA)

### **Product Details**

Purpose:	Mouse monoclonal antibody raised against a partial recombinant ERBB2.
Immunogen:	ERBB2 (NP_004439, 22 a.a. $\sim$ 121 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	STQVCTGTDM KLRLPASPET HLDMLRHLYQ GCQVVQGNLE LTYLPTNASL SFLQDIQEVQ GYVLIAHNQV RQVPLQRLRI VRGTQLFEDN YALAVLDNGD
Clone:	3B1
Isotype:	lgG2b
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

# **Target Details**

Target:	ErbB2/Her2
Alternative Name:	ERBB2 (ErbB2/Her2 Products)
Background:	Full Gene Name: v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)  Synonyms: CD340,HER-2,HER-2/neu,HER2,NEU,NGL,TKR1
Gene ID:	2064
NCBI Accession:	NM_004448
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Skeletal Muscle Fiber Development

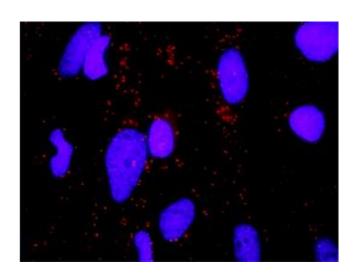
# **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

# Handling

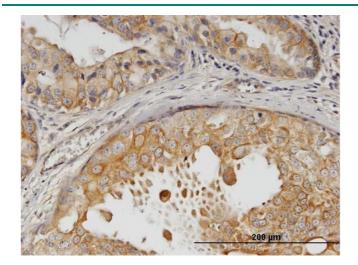
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### **Images**



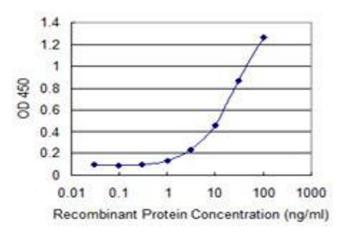
# **Proximity Ligation Assay**

**Image 1.** Proximity Ligation Analysis of protein-protein interactions between ERBB3 and ERBB2. HeLa cells were stained with anti-ERBB3 rabbit purified polyclonal 1:1200 and anti-ERBB2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



### **Immunostaining**

**Image 2.** Immunoperoxidase of monoclonal antibody to ERBB2 on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]



#### **ELISA**

**Image 3.** Detection limit for recombinant GST tagged ERBB2 is 0.3 ng/ml as a capture antibody.

Please check the product details page for more images. Overall 7 images are available for ABIN515370.