

ABfinity™ ERBB2 Recombinant Rabbit Monoclonal Antibody

Store at 2°C to 8°C (short-term), or –20°C (long-term)

Catalog Number 701399

Pub. No. MAN0007787 Rev. 1.00

Clonality: Monoclonal	Quantity: 100 µg	Volume: 200 µL	Concentration: 0.5 mg/mL
Host/Class: Rabbit IgG	Reactivity: Human	Predicted Reactivity: Human ERBB2	

Product description

ERBB2 (v-erb-b2 erythroblastic leukemia viral oncogene homolog 2) is a member of the epidermal growth factor receptor family of tyrosine kinases. Unlike other receptors, ERBB2 does not have a ligand binding domain, and acts by binding other ligand bound EGF receptors. This heterodimer formation results in mediation of various signaling pathways and downstream effectors. In humans, the gene encoding ERBB2 is present on chromosome 17.

Product specifications

Immunogen:	Peptide corresponding to amino acids 33–46 of human ERBB2
Alternative Names:	HER2, MLN19, NEU, NGL, CD340, Neu
Apparent MW:	~138 kDa
Gene ID:	2064
Protein Accession No.:	P04626
Sequence Identity:	Human
Isotype:	IgG
Lot:	See product label

Product applications

Application	Species	Test Material	Concentration
Western blotting	Human	SK-Br-3 cells	1–2 µg/mL
Indirect ELISA	Human	Peptide	1.5 × 10 ^{–4} to 3 µg/mL

Storage and handling

Store the antibody at 2°C to 8°C for up to 1 month, or –20°C for long storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

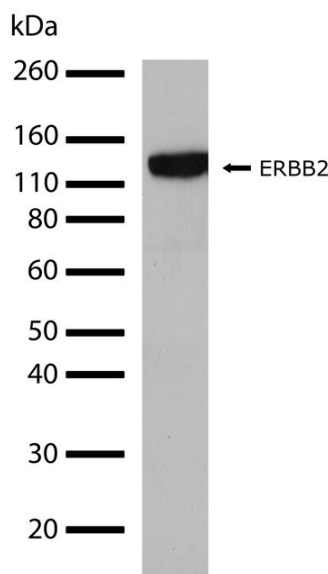


Figure 1 Western blot analysis of ABfinity™ ERBB2 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701399).

Western blot analysis was performed on whole cell extracts from SK-Br-3. Endogenous level of ERBB2 was detected at ~138 kDa using ABfinity™ ERBB2 Recombinant Rabbit Monoclonal Antibody at a concentration of 1 µg/mL, followed by Goat Anti-Rabbit HRP (Cat. no. G21234) as a secondary antibody. The blot was developed using enhanced chemiluminescence (ECL) method.

Storage buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.



CAUTION! Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at www.lifetechnologies.com/support.

Product documentation

To obtain a Certificate of Analysis or Safety Data Sheet (SDS), visit <http://www.lifetechnologies.com/support>.

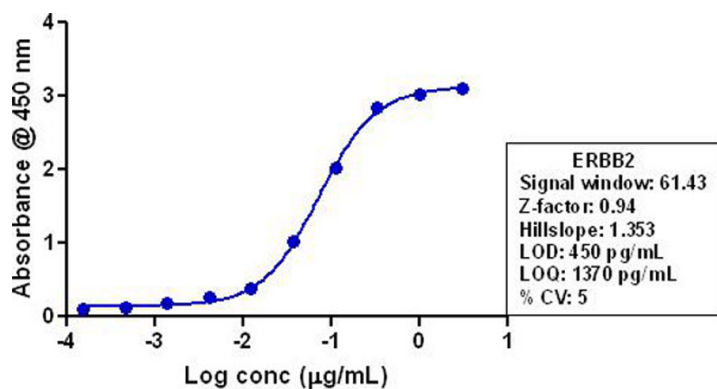


Figure 2 Indirect ELISA of ABfinity™ ERBB2 Recombinant Rabbit Monoclonal Antibody [Cat. no. 701399].

Indirect ELISA was performed to detect various dilutions of ABfinity™ ERBB2 Recombinant Rabbit Monoclonal Antibody, followed by Goat Anti-Rabbit HRP (Cat. no. G21234), to detect ERBB2 peptide coated onto the plate. A non-linear regression analysis was performed (4 PL), LOD, and LOQ for the antibody was determined.

Limited product warranty

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Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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