

# ABfinity™ ERBB2 Recombinant Rabbit Oligoclonal Antibody

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

Catalog Number 710452

Pub. No. MAN0007783 Rev. 1.00

<b>Clonality:</b> Oligoclonal	<b>Quantity:</b> 100 µg	<b>Volume:</b> 200 µL	<b>Concentration:</b> 0.5 mg/mL
<b>Host/Class:</b> Rabbit IgG	<b>Reactivity:</b> Human	<b>Predicted Reactivity:</b> 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

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

## Product applications

Application	Species	Test Material	Concentration
Western blotting	Human	SK-Br-3 cells	2-3 µg/mL
Indirect ELISA	Human	Peptide	1.5 × 10 <sup>-4</sup> 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.

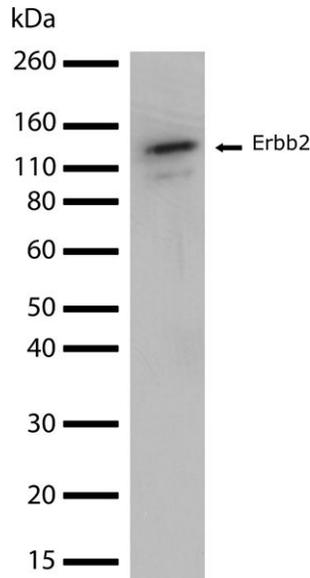


Figure 1 Western blot analysis of ABfinity™ ERBB2 Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710452).

Western blot analysis was performed on whole cell extracts of SK-Br-3. Endogenous level of ERBB2 was detected at ~138 kDa using ABfinity™ ERBB2 Recombinant Rabbit Oligoclonal Antibody at a concentration of 2 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](http://www.lifetechnologies.com/support).

## Product documentation

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

## 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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