



# Rabbit Anti-Rhesus ERBB3 Polyclonal Antibody (CABT-NS1777)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Rhesus HER3/ErbB3
<b>Target</b>	ERBB3
<b>Immunogen</b>	Recombinant Rhesus HER3/ErbB3 protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Rhesus
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	<p>ELISA</p> <p>Recommended dilution:</p> <p>ELISA: 0.1-0.2 µg/mL.</p> <p>This antibody can be used at 0.1-0.2 µg/mL with the appropriate secondary reagents to detect Rhesus HER3/ErbB3.</p> <p>The detection limit for Rhesus HER3/ErbB3 is 0.00245 ng/well.</p> <p>Each laboratory should determine an optimum working titer for use in its particular application.</p> <p>Other applications have not been tested but use in such assays should not necessarily be excluded.</p>
<b>Format</b>	Liquid, Purified
<b>Size</b>	50 µl, 100 µl, 200 µl
<b>Buffer</b>	0.2 µm filtered solution in PBS
<b>Preservative</b>	None

**Storage**

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

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## BACKGROUND

**Introduction**

ErbB3, also known as Her3(human epidermal growth factor receptor3), is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound glycoprotein has a neuregulin binding domain but has not an active kinase domain., and therefore can not mediate the intracellular signal transduction through protein phosphorylation. However, its heterodimer with ErbB2 or other EGFR members responsible for tyrosine phosphorylation forms a receptor complex with high affinity, and initiates the related pathway which lead to cell proliferation or differentiation. ErbB3 has been shown to implicated in numerous cancers, including prostate, bladder, and breast tumors. This protein has different isoforms derived from alternative splicing variants, and among which, the secreted isoform lacking the intermembrane region modulates the activity of membrane-bound form.

**Keywords**

ERBB3; erb-b2 receptor tyrosine kinase 3; HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3

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