



Rabbit Anti-Mouse HER3/ERBB3 monoclonal antibody, clone S249 (CABT-ZB859)

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

PRODUCT INFORMATION

Specificity	It reacts with Mouse HER3/ERBB3 It has cross-reactivity in ELISA with Human ERBB3
Target	ERBB3
Immunogen	Recombinant Mouse HER3/ErbB3 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S249
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB477 - CABT-ZB859 This antibody will detect HER3/ERBB3 in antibody pair set. [ABPR-ZB052]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse HER3 / ErbB3.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 1 mL
Buffer	PBS
Preservative	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. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

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

GENE INFORMATION

Synonyms	ERBB3; erb-b2 receptor tyrosine kinase 3; HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3
Entrez Gene ID	13867
UniProt ID	Q61526