abcam

Product datasheet

Anti-ErbB 3 antibody [DY-7G2] ab91218

1 Image

Overview

Product name	Anti-ErbB 3 antibody [DY-7G2]
Description	Mouse monoclonal [DY-7G2] to ErbB 3
Host species	Mouse
Tested applications	**Suitable for:** Flow Cyt, Competitive ELISA
Species reactivity	**Reacts with:** Human
Immunogen	Native Human protein expressed in mammalian cells
Positive control	BOSC23 transfected cells

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Clone number	DY-7G2
Isotype	IgG1

Applications

Our Abpromise guarantee covers the use of **ab91218** in the following tested applications.

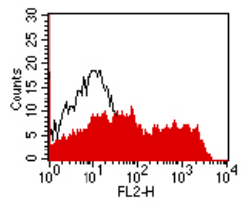
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 1.2µg for 10^6 cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
Competitive ELISA		1/200 - 1/400.

Target

Function	Binds and is activated by neuregulins and NTAK.
Tissue specificity	Epithelial tissues and brain.
Involvement in disease	Defects in ERBB3 are the cause of lethal congenital contracture syndrome type 2 (LCCS2) [MIM:607598]; also called Israeli Bedouin multiple contracture syndrome type A. LCCS2 is an autosomal recessive neurogenic form of a neonatally lethal arthrogryposis that is associated with atrophy of the anterior horn of the spinal cord. The LCCS2 syndrome is characterized by multiple joint contractures, anterior horn atrophy in the spinal cord, and a unique feature of a markedly distended urinary bladder. The phenotype suggests a spinal cord neuropathic etiology.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily. Contains 1 protein kinase domain.
Developmental stage	Overexpressed in a subset of human mammary tumors.
Domain	The cytoplasmic part of the receptor may interact with the SH2 or SH3 domains of many signal-transducing proteins.
Post-translational modifications	Ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase.
Cellular localization	Secreted and Cell membrane.

Images



Flow Cytometry - Anti-ErbB 3 antibody [DY-7G2] (ab91218)

ab91218 at 1.2µg/10^6 cells staining ErbB 3 in BOSC23 cells transiently transfected with ErbB 3 (red) or a control protein (black). A PE-conjugated secondary antibody was used.

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