


Product datasheet

Anti-ErbB3 / HER3 antibody [SGP1] ab20162

3 References

Overview

Product name	Anti-ErbB3 / HER3 antibody [SGP1]
Description	Mouse monoclonal [SGP1] to ErbB3 / HER3
Host species	Mouse
Tested applications	Suitable for: IP, Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chimpanzee 
Immunogen	Recombinant full length protein corresponding to Human ErbB3/ HER3. 'c-erb B3 protein from transfected human kidney fibroblasts purified by wheatgerm lectin affinity chromatography'
Epitope	Extracellular domain.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Constituent: PBS
Purity	Protein A/G purified
Clonality	Monoclonal
Clone number	SGP1
Myeloma	NS0
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab20162 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
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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.

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