


Anti-ErbB3 / HER3 antibody [SGP1] ab20162

3 References

Overview

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| 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 | Preservative: 0.02% Sodium azide Constituent: 99.98% 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 arthrogyrosis 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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