




## Product datasheet

# Anti-ErbB3 / HER3 antibody - C-terminal ab190269

[2 Images](#)

### Overview

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<b>Product name</b>	Anti-ErbB3 / HER3 antibody - C-terminal
<b>Description</b>	Rabbit polyclonal to ErbB3 / HER3 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Pig, Chimpanzee, Rhesus monkey, Chinese hamster, Orangutan 
<b>Immunogen</b>	Synthetic peptide within Human ErbB3/ HER3 aa 1250 to the C-terminus (C terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b>contact</b> our Scientific Support team to discuss your requirements. NP_001973.2 Database link: <a href="#">P21860</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	Hela, 293T, Jurkat, MCF-7 whole cell lysates
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate  pH 7-8

<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

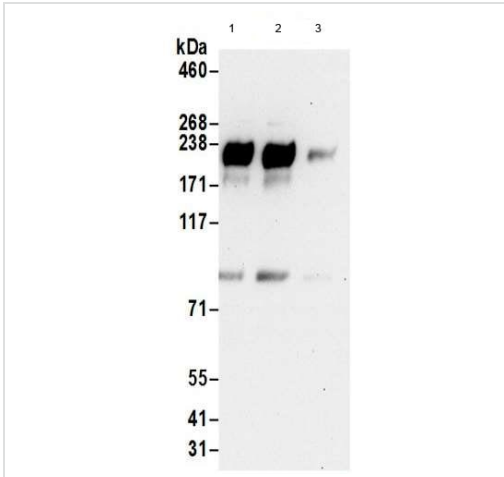
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab190269 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at 2-10 µg/mg of lysate.
WB		1/1000 - 1/5000. Predicted molecular weight: 148 kDa.

## Target

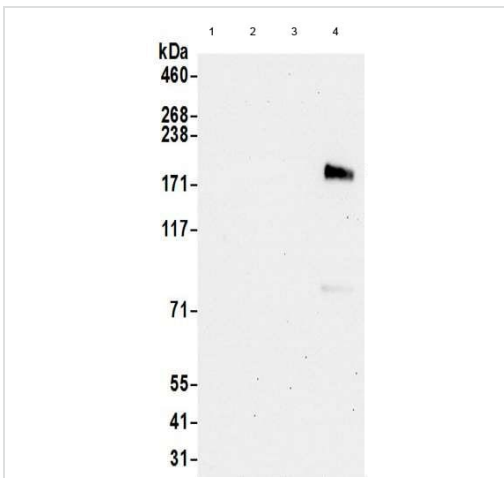
<b>Function</b>	Binds and is activated by neuregulins and NTAK.
<b>Tissue specificity</b>	Epithelial tissues and brain.
<b>Involvement in disease</b>	Defects in ERBB3 are the cause of lethal congenital contracture syndrome type 2 (LCCS2) [MIM:607598]; also called Israeli Bedouin multiple contracture 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.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily. Contains 1 protein kinase domain.
<b>Developmental stage</b>	Overexpressed in a subset of human mammary tumors.
<b>Domain</b>	The cytoplasmic part of the receptor may interact with the SH2 or SH3 domains of many signal-transducing proteins.
<b>Post-translational modifications</b>	Ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase.
<b>Cellular localization</b>	Secreted and Cell membrane.

## Images



Immunoprecipitation - Anti-ErbB3 / HER3 antibody - C-terminal (ab190269)

Immunoprecipitation of MCF-7 cell lysate (0.5-1 mg per IP reaction; 20% of IP loaded) labeling ErbB3 / HER3 with ab190269 at 1 µg/ml by Western blotting. Samples were immunoprecipitated using a control antibody (1), ab190269 at 6 µg per reaction (2), or control IgG (3)



Western blot - Anti-ErbB3 / HER3 antibody - C-terminal (ab190269)

**All lanes :** Anti-ErbB3 / HER3 antibody - C-terminal (ab190269) at 0.4 µg/ml

**Lane 1 :** Hela whole cell lysate

**Lane 2 :** 293T whole cell lysate

**Lane 3 :** Jurkat whole cell lysate

**Lane 4 :** MCF-7 whole cell lysate

Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

**Predicted band size:** 148 kDa

**Exposure time:** 30 seconds

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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