



Product datasheet

Anti-ErbB3 / HER3 antibody ab34641

[3 References](#) [1 Image](#)

Overview

Product name	Anti-ErbB3 / HER3 antibody
Description	Rabbit polyclonal to ErbB3 / HER3
Host species	Rabbit
Tested applications	Suitable for: IP
Species reactivity	Reacts with: Human
Immunogen	<p>Fusion protein corresponding to Human ErbB3/ HER3 aa 1250-1350. ErbB3/ HER3 fusion protein: PASEQGYE E MRAFQGPGH QAPHVHYARL KTLRSLEAT D SAF, corresponding to C terminal amino acids 1283-1323 of Human ErbB3/ HER3</p> <p>Database link: P21860</p> <p> Run BLAST with  Run BLAST with</p>
Positive control	IP: LNCap prostate cell line treated with Heregulin-beta1.
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). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride</p>
Purity	Protein A purified
Purification notes	This product is an IgG fraction antibody purified from monospecific antiserum by Protein A chromatography followed by cross adsorption against GST and extensive dialysis against the storage buffer.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab34641 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. Use 5µg. The immunoprecipitation mix contained the antibody, 25 µl of Protein A-agarose beads and 1.0 ml of lysate (lysate contains approximately 1.0 mg of total protein).

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.

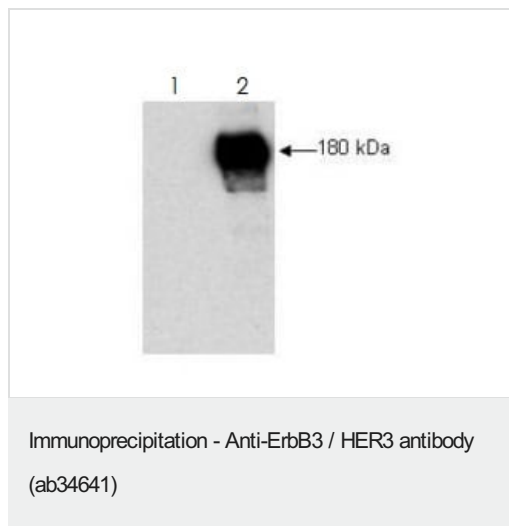
Post-translational modifications

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



All lanes : Anti-ErbB3 / HER3 antibody (ab34641) (used at 5ul for immunoprecipitation followed by immunoblot detection using an anti-phosphotyrosine antibody)

Lane 1 : LNCap prostate cell line no treatment

Lane 2 : LNCap prostate cell line treated with Heregulin beta1 for 15mins at 100ng/ml

Developed using the ECL technique.

Observed band size: 180 kDa

Exposure time: 1 minute

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

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