abcam

Product datasheet

Anti-ErbB 3 antibody ab226260

1 Image

Overview

Product name	Anti-ErbB 3 antibody
Description	Rabbit polyclonal to ErbB 3
Host species	Rabbit
Tested applications	**Suitable for:** IP **Unsuitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Chimpanzee, Cynomolgus monkey, Rhesus monkey, Orangutan
Immunogen	Synthetic peptide within Human ErbB 3 aa 1275-1325. The exact sequence is proprietary. (NP_001973.2). Database link: P21860
Positive control	IP: MCF7 whole cell lysate

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 long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate pH 7 to 8
Purity	Immunogen affinity purified
Purification notes	ab226260 was affinity purified using an epitope specific to ErbB 3 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab226260** 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.

Application notes Is unsuitable for WB.

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.

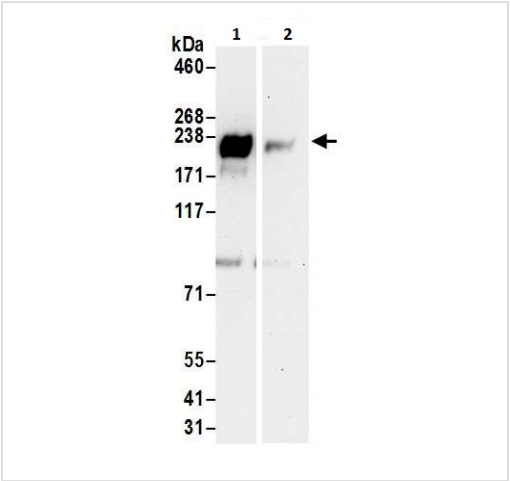
Developmental stage Overexpressed in a subset of human mammary tumors.

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



Immunoprecipitation - Anti-ErbB 3 antibody (ab226260)

ErbB 3 was immunoprecipitated from MCF7 (human breast adenocarcinoma cell line) whole cell lysate (prepared using RIPA buffer; 1 mg for IP, 20% of IP loaded) with ab226260 at 6 µg/mg lysate. Western blot was performed from the immunoprecipitate using a different rabbit anti-ErbB 3 antibody at 1 µg/ml.

Lane 1: ab226260 IP in HeLa whole cell lysate.

Lane 2: Control IgG IP in HeLa whole cell lysate.

Detection: Chemiluminescence with exposure time of 30 seconds.

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