

Anti-ErbB3 / HER3 antibody [SP71] ab93739

重组 RabMAb

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概述

产品名称	Anti-ErbB3 / HER3抗体[SP71]
描述	兔单克隆抗体[SP71] to ErbB3 / HER3
宿主	Rabbit
经测试应用	适用于: IHC-P, mlHC, Flow Cyt (Intra)
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human ErbB3/ HER3 aa 650-750 (internal sequence). The exact sequence is proprietary. Database link: <b>P21860</b>
阳性对照	Flow Cyt (Intra): MCF7 cells. IHC: human small intestine tissue. mlHC: Human colon and jejunum tissue.
常规说明	<b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
纯度	Protein A/G purified
纯化说明	Purified from TCS by protein A/G.
克隆	单克隆
克隆编号	SP71
同种型	IgG

应用

The Abpromise guarantee

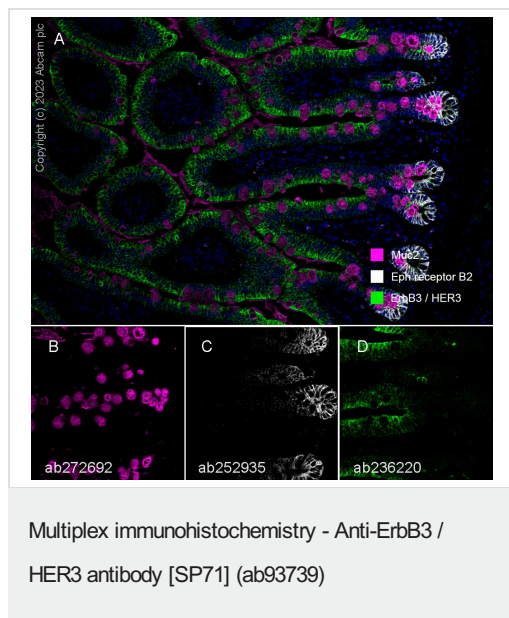
Abpromise™承诺保证使用ab93739于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. 1/100 for 30 mins at RT. Perform heat mediated antigen retrieval before commencing with IHC staining protocol by boiling tissue section in 1mM EDTA, pH 8.0 for 10 min followed by cooling at RT for 20 min.
mlHC		Use at an assay dependent concentration.
Flow Cyt (Intra)		1/50.

靶标	
功能	Binds and is activated by neuregulins and NTAK.
组织特异性	Epithelial tissues and brain.
疾病相关	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.
序列相似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily. Contains 1 protein kinase domain.
发展阶段	Overexpressed in a subset of human mammary tumors.
结构域	The cytoplasmic part of the receptor may interact with the SH2 or SH3 domains of many signal-transducing proteins.
翻译后修饰	Ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase.
细胞定位	Secreted and Cell membrane.

图片



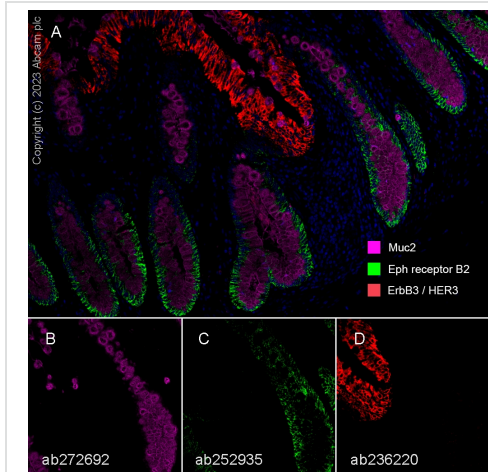
Fluorescence multiplex immunohistochemical analysis of the human jejunum (Formalin/PFA-fixed paraffin-embedded sections).

Panel A: merged staining of anti-Muc2 (**ab272692**, magenta; Opal™690), anti-Eph receptor B2 (**ab252935**, green; Opal™520) and anti-ErbB3 / HER3 (**ab236220**, red; Opal™570) on human jejunum. Panel B: anti-Muc2 stained on goblet cells. Panel C: anti-Eph receptor B2 stained on intestinal stem and progenitor cells. Panel D: anti-ErbB3 / HER3 stained on epithelial cells. Opal Polymer HRP Ms + Rb was used as a secondary antibody.

The section was incubated in three rounds of staining: in the order of **ab272692** at 1/2000 dilution (0.252 µg/ml), **ab252935** at 1/1000 dilution (0.527 µg/ml), and **ab236220** at 1/3000 dilution (0.75 µg/ml) for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins. DAPI (blue) was used as a nuclear counter stain.



Multiplex immunohistochemistry - Anti-ErbB3 / HER3 antibody [SP71] (ab93739)

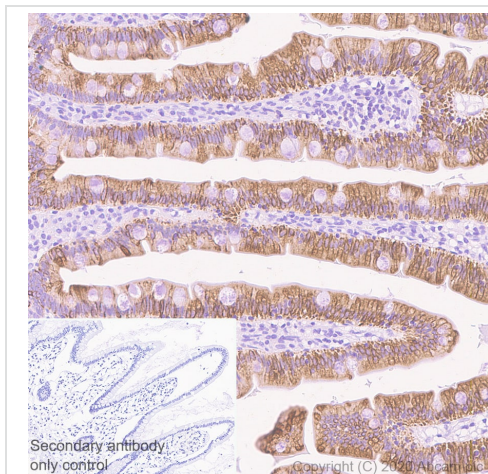
Fluorescence multiplex immunohistochemical analysis of the human colon (Formalin/PFA-fixed paraffin-embedded sections).

Panel A: merged staining of anti-Muc2 (**ab272692**, magenta; Opal™690), anti-Eph receptor B2 (**ab252935**, green; Opal™520) and anti-ErbB3 / HER3 (**ab236220**, red; Opal™570) on human colon. Panel B: anti-Muc2 stained on goblet cells. Panel C: anti-Eph receptor B2 stained on intestinal stem and progenitor cells. Panel D: anti-ErbB3 / HER3 stained on epithelial cells. Opal Polymer HRP Ms + Rb was used as a secondary antibody.

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Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins. DAPI (blue) was used as a nuclear counter stain.

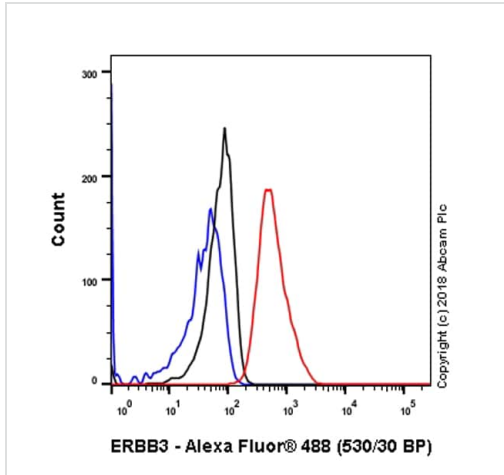


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ErbB3 / HER3 antibody [SP71] (ab93739)

Membranous staining on paraffin-embedded sections of human small intestine. The section was incubated with ab93739 at 1:100 dilution (0.7 µg/ml) for 30 mins at room temperature. The secondary antibody staining was achieved with Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Hematoxylin was used as a counter stain.

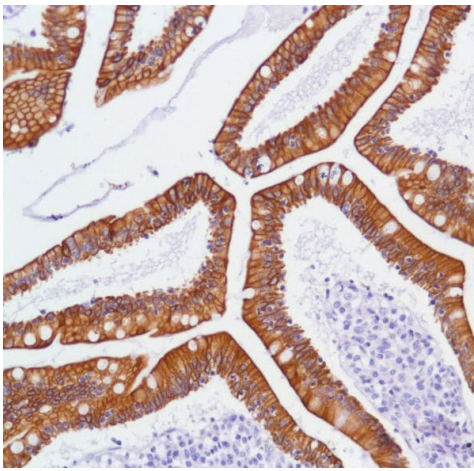
Heat mediated antigen retrieval was performed with Citrate buffer (pH 6.0, epitope retrieval solution1) for 20 mins.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument.



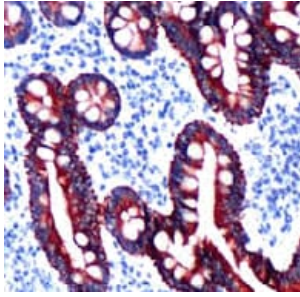
Flow Cytometry (Intracellular) - Anti-ErbB3 / HER3 antibody [SP71] (ab93739)

Flow cytometry analysis of MCF7 (human breast adenocarcinoma epithelial cell) labeling ErbB3 / HER3 with purified ab93739 at 1/50 dilution (10.5 µg/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) at 1/2000 dilution was used as a secondary antibody. Isotype control -Rabbit monoclonal IgG ([ab172730](#)) / Black. Unlabeled control -Unlabelled cells / blue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ErbB3 / HER3 antibody [SP71] (ab93739)

An immunohistochemical staining of human small intestine labelling ErbB3 / HER3 (SP71) with ab93739 at dilution 1:100.



ab93739 at 1/100 dilution staining ErbB 3 in formalin-fixed, paraffin-embedded Human small intestine tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ErbB3 / HER3 antibody [SP71] (ab93739)

#### Why choose a recombinant antibody?



**Research with confidence**  
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Confirmed specificity



**Ethical standards compliant**  
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Anti-ErbB3 / HER3 antibody [SP71] (ab93739)

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