

Anti-ErbB3 / HER3 antibody [SP71] ab93739

リコンビナント **RabMAb**

1 Abreviews 8 References 画像数 7

製品の概要

製品名	Anti-ErbB3 / HER3 antibody [SP71]
製品の詳細	Rabbit monoclonal [SP71] to ErbB3 / HER3
由来種	Rabbit
アプリケーション	適用あり: IHC-P, mlHC, Flow Cyt (Intra)
種交差性	交差種: Human
免疫原	Synthetic peptide within Human ErbB3/ HER3 aa 650-750 (internal sequence). The exact sequence is proprietary. Database link: <u>P21860</u>
ポジティブ・コントロール	Flow Cyt (Intra): MCF7 cells. IHC: human small intestine tissue. mlHC: Human colon and jejunum tissue.
特記事項	This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
精製度	Protein A/G purified
特記事項(精製)	Purified from TCS by protein A/G.
ポリ/モノ	モノクローナル
クローン名	SP71
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab93739の使用に適用されます

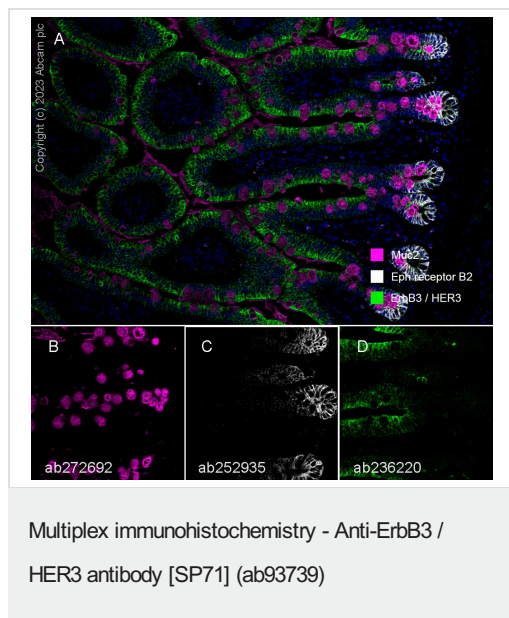
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	Binds and is activated by neuregulins and NTAK.
組織特異性	Epithelial tissues and brain.
関連疾患	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.
配列類似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily. Contains 1 protein kinase domain.
発生段階	Overexpressed in a subset of human mammary tumors.
ドメイン	The cytoplasmic part of the receptor may interact with the SH2 or SH3 domains of many signal-transducing proteins.
翻訳後修飾	Ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase.
細胞内局在	Secreted and Cell membrane.

画像



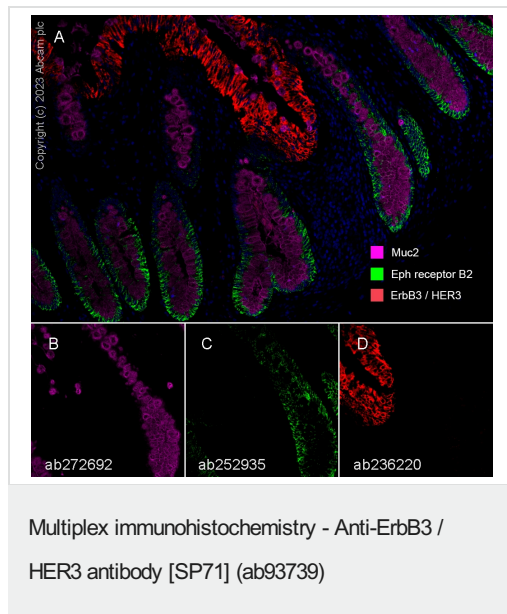
Fluorescence multiplex immunohistochemical analysis of the human jejunum (Formalin/PFA-fixed paraffin-embedded sections).

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.



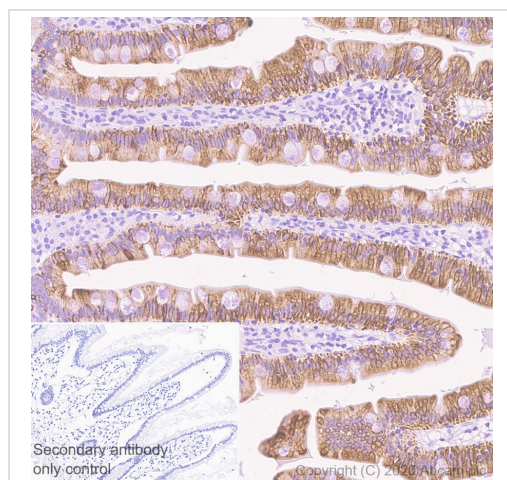
Fluorescence multiplex immunohistochemical analysis of the human colon (Formalin/PFA-fixed paraffin-embedded sections).

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.

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.

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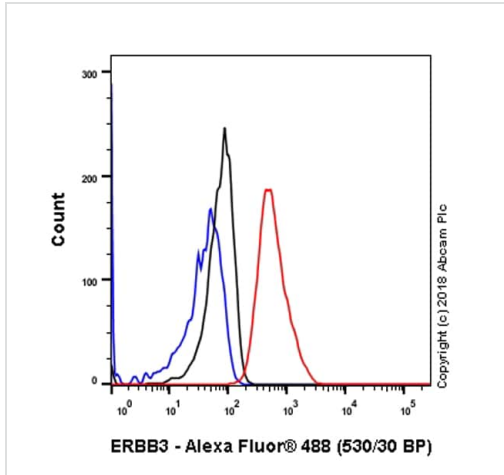
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins. DAPI (blue) was used as a nuclear counter stain.



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.

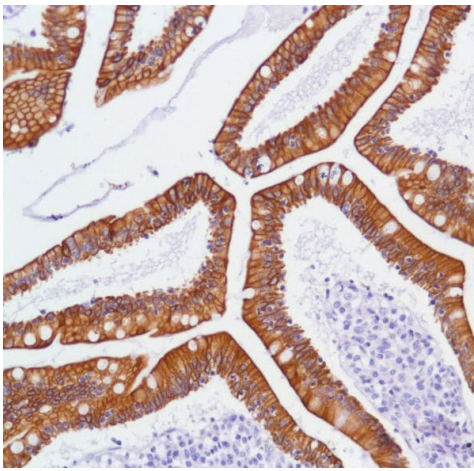
Heat mediated antigen retrieval was performed with Citrate buffer (pH 6.0, epitope retrieval solution1) for 20 mins.

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



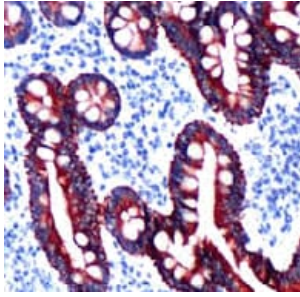
Flow Cytometry (Intracellular) - Anti-ErbB3 / HER3 antibody [SP71] (ab93739)

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)

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

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