


Anti-ErbB4 / HER4 antibody [EP192Y] ab76303

重组 RabMAb

6 References [3 图像](#)

概述

产品名称	Anti-ErbB4 / HER4抗体[EP192Y]
描述	兔单克隆抗体[EP192Y] to ErbB4 / HER4
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB 不适用于: ICC/IF, IHC-P or IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide within Human ErbB4/ HER4 aa 1200-1300 (C terminal). The exact sequence is proprietary. Database link: Q15303
阳性对照	WB: Human brain tissue lysate. Flow Cyt (intra): T47D cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆

同种型 IgG

The Abpromise guarantee **Abpromise™承诺保证使用ab76303于以下的经测试应用**

应用	Ab评论	说明
Flow Cyt (Intra)		1/20.
WB		1/1000 - 1/2000. Detects a band of approximately 185 kDa (predicted molecular weight: 147 kDa).

靶标

组织特异性 Expressed at highest levels in brain, heart, kidney, in addition to skeletal muscle, parathyroid, cerebellum, pituitary, spleen, testis and breast. Lower levels in thymus, lung, salivary gland, and pancreas. Isoform JM-A CYT-1 and isoform JM-B CYT-1 are expressed in cerebellum, but only the isoform JM-B is expressed in the heart.

翻译后修饰

Isoform JM-A CYT-1 and isoform JM-A CYT-2 but not isoform JM-B CYT-1 and isoform JM-B CYT-2 are processed by ADAM17. Proteolytic processing in response to ligand or 12-O-tetradecanoylphorbol-13-acetate stimulation results in the production of 120 kDa soluble receptor forms and intermediate membrane-anchored 80 kDa fragments (m80HER4), which are further processed by a presenilin-dependent gamma-secretase to release the respective cytoplasmic intracellular domain E4ICD (either E4ICD1/s80Cyt1 or E4ICD2/s80Cyt2). Membrane-anchored 80 kDa fragments of the processed isoform JM-A CYT-1 are more readily degraded by the proteasome than fragments of isoform JM-A CYT-2 suggesting a prevalence of E4ICD2 over E4ICD1.

Ligand-binding increases phosphorylation on tyrosine residues. Isoform JM-A CYT-2 is constitutively phosphorylated on tyrosine residues in a ligand-independent manner. E4ICD2 but not E4ICD1 is phosphorylated on tyrosine residues.

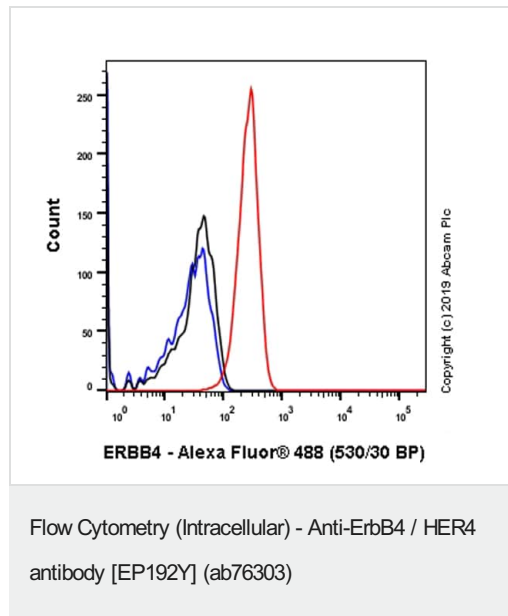
Ubiquitinated. The ERBB4 intracellular domain is ubiquitinated and targeted to proteosomal

degradation during mitosis mediated by the APC/C complex. Isoform JM-A CYT-1 and isoform JM-B CYT-1 are ubiquitinated by WWP1. The ERBB4 intracellular domain (E4ICD1) is ubiquitinated, and this involves NEDD4.

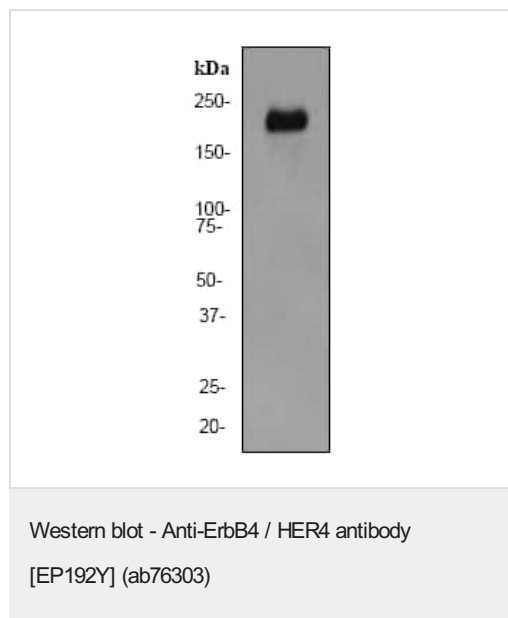
细胞定位

Membrane and Nucleus. Following proteolytical processing E4ICD (E4ICD1 or E4ICD2 generated from the respective isoforms) is translocated to the nucleus. Significantly more E4ICD2 than E4ICD1 is found in the nucleus. E4ICD2 colocalizes with YAP1 in the nucleus.

图片



Intracellular Flow Cytometry analysis of T47D (Human ductal breast epithelial tumor epithelial cell) cells labeling ErbB4 / HER4 with purified ab76303 at 1/20 dilution (7.5µg/ml) (Red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG ([ab172730](#)) / Black. Unlabeled control - Unlabelled cells / blue.



Anti-ErbB4 / HER4 antibody [EP192Y] (ab76303) at 1/2000 dilution + human brain tissue lysate at 10 µg

Secondary

Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 147 kDa

Observed band size: 185 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-ErbB4 / HER4 antibody [EP192Y] (ab76303)

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

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