

Anti-ErbB2 / HER2 antibody ab69647

★★★★★ **1 Abreviews** 3 图像

概述

产品名称	Anti-ErbB2 / HER2抗体
描述	兔多克隆抗体to ErbB2 / HER2
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide corresponding to Human ErbB2/ HER2 (internal sequence).
阳性对照	293 cell extracts, HeLa cells and human breast carcinoma tissue.
常规说明	<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>

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	<p>pH: 7</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 0.87% Sodium chloride, 50% Glycerol (glycerin, glycerine), PBS</p>
纯度	Without Mg ²⁺ and Ca ²⁺
纯化说明	Immunogen affinity purified
克隆	ab69647 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
同种型	多克隆 IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab69647于以下的经测试应用

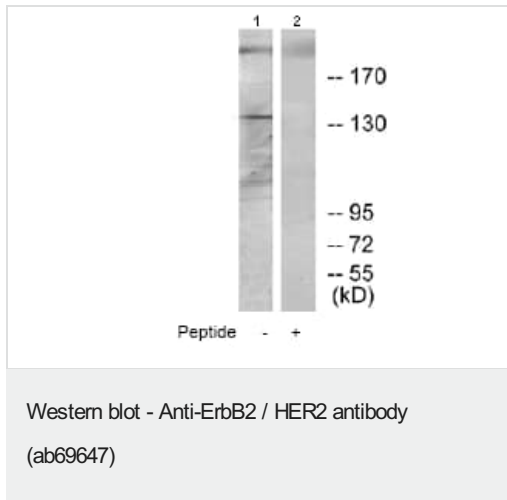
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 138 kDa (predicted molecular weight: 138 kDa).
IHC-P		1/50 - 1/100.
ICC/IF		1/500 - 1/1000.

靶标

功能	Protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization. In the nucleus is involved in transcriptional regulation. Associates with the 5'-TCAAATTC-3' sequence in the PTGS2/COX-2 promoter and activates its transcription. Implicated in transcriptional activation of CDKN1A; the function involves STAT3 and SRC. Involved in the transcription of rRNA genes by RNA Pol I and enhances protein synthesis and cell growth.
组织特异性	Expressed in a variety of tumor tissues including primary breast tumors and tumors from small bowel, esophagus, kidney and mouth.
疾病相关	Hereditary diffuse gastric cancer Glioma Ovarian cancer Lung cancer Gastric cancer Chromosomal aberrations involving ERBB2 may be a cause gastric cancer. Deletions within 17q12 region producing fusion transcripts with CDK12, leading to CDK12-ERBB2 fusion leading to truncated CDK12 protein not in-frame with ERBB2.
序列相似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily. Contains 1 protein kinase domain.
翻译后修饰	Autophosphorylated. Autophosphorylation occurs in trans, i.e. one subunit of the dimeric receptor phosphorylates tyrosine residues on the other subunit (Probable). Ligand-binding increases phosphorylation on tyrosine residues (PubMed:27134172). Signaling via SEMA4C promotes phosphorylation at Tyr-1248 (PubMed:17554007). Dephosphorylated by PTPN12 (PubMed:27134172).
细胞定位	Cytoplasm. Nucleus and Cell membrane. Cytoplasm, perinuclear region. Nucleus. Translocation to the nucleus requires endocytosis, probably endosomal sorting and is mediated by importin

图片



All lanes : Anti-ErbB2 / HER2 antibody (ab69647) at 1/500 dilution

Lane 1 : 293 cell extracts

Lane 2 : 293 cell extracts with immunising peptide at 10 µg

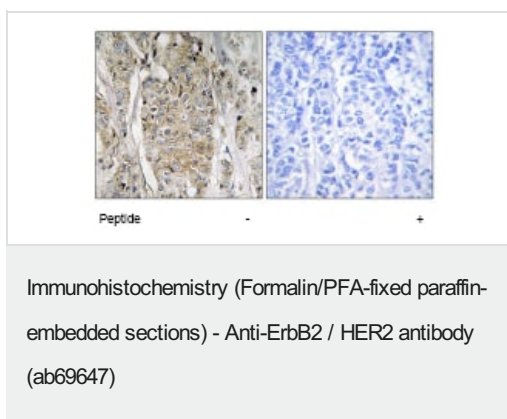
Lysates/proteins at 30 µg per lane.

Predicted band size: 138 kDa

Observed band size: 138 kDa



ab69647 at 1/500 dilution staining ErbB 2 in HeLa cells by Immunofluorescence, in the absence or presence of the immunising peptide.



ab69647 at 1/50 dilution staining ErbB 2 in human breast carcinoma by Immunohistochemistry, Paraffin-embedded tissue, in the absence or presence of the immunising peptide.

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

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