

Product datasheet

Anti-PPP4C antibody ab84396

2 图像

概述

产品名称	Anti-PPP4C抗体
描述	兔多克隆抗体to PPP4C
经测试应用	适用于: IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Platypus ▲
免疫原	Synthetic peptide corresponding to a region between residues 1 and 50 of Human PPP4C (NP_002711.1)
阳性对照	Human controls: metastatic lymph node carcinoma. Breast Carcinoma, Colon Carcinoma, Laryngeal Squamous Cell Carcinoma, Linitis Plastica Stomach Cancer, Metastatic Lymph Node, Non-Small Cell Lung Cancer, Ovarian Carcinoma, Pancreatic Islet Cell Tumor, Prostate Carcinoma, Skin Basal Cell Carcinoma, Small Cell Lung Cancer, Stomach Adenocarcinoma, Testicular Seminoma. Mouse Controls: Squamous Cell Carcinoma

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	Preservative: 0.09% Sodium Azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab84396** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
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IHC-P

应用说明

IHC-P: 1/100 - 1/500. Epitope exposure is recommended. Epitope exposure with citrate buffer will enhance staining.

Likely to work with frozen sections.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

Protein phosphatase that is involved in many processes such as microtubule organization at centrosomes, maturation of spliceosomal snRNPs, apoptosis, DNA repair, tumor necrosis factor (TNF)-alpha signaling, activation of c-Jun N-terminal kinase MAPK8, regulation of histone acetylation, DNA damage checkpoint signaling, NF-kappa-B activation and cell migration. The PPP4C-PPP4R1 PP4 complex may play a role in dephosphorylation and regulation of HDAC3. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AFX phosphorylated on Ser-140 (gamma-H2AFX) generated during DNA replication and required for DNA double strand break repair. Dephosphorylates NDEL1 at CDK1 phosphorylation sites and negatively regulates CDK1 activity in interphase (By similarity). In response to DNA damage, catalyzes RPA2 dephosphorylation, an essential step for DNA repair since it allows the efficient RPA2-mediated recruitment of RAD51 to chromatin.

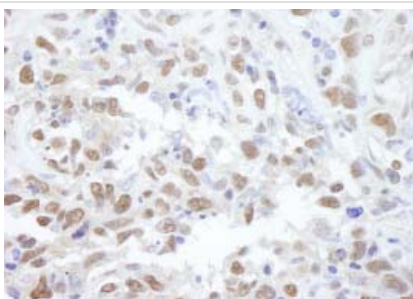
序列相似性

Belongs to the PPP phosphatase family. PP-4 (PP-X) subfamily.

细胞定位

Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > centrosome.

图片



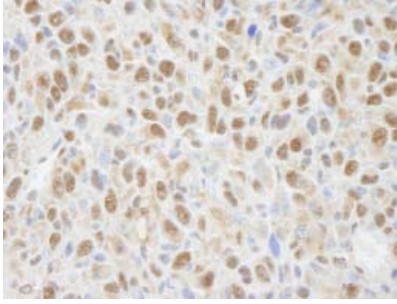
Detection of Human PPP4C by Immunohistochemistry.

Sample: FFPE section of Human metastatic lymph node.

Antibody: ab84396 used at a dilution of 1/500.

Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - PPP4C antibody (ab84396)



Detection of Mouse PPP4C by
Immunohistochemistry.

Sample: FFPE section of Mouse squamous
cell carcinoma.

Antibody: ab84396 used at a dilution of 1/100.

Detection: DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - PPP4C antibody (ab84396)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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