abcam

Product datasheet

Anti-Pumilio 2 antibody [EPR3813] ab92390

重组 RabMAb

12 References 6 图像

概述

产品名称	Anti-Pumilio 2抗体[EPR3813]
描述	兔单克隆抗体[EPR3813] to Pumilio 2
宿主	Rabbit
特异性	This antibody is predicted to not cross react with Pumilio 1.
经测试应用	**适用于:** Flow Cyt (Intra), WB, IP, ICC/IF
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide within Human Pumilio 2 aa 1-100. The exact sequence is proprietary.
阳性对照	WB: HeLa and 293T cell lysates ICC/IF: MCF-7 cells. Flow Cyt (intra): HeLa cells IP: HeLa cells
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3813
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab92390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
Flow Cyt (Intra)		1/30.
WB		1/5000 - 1/10000. Predicted molecular weight: 114 kDa.
IP		1/10 - 1/20.
ICC/IF		1/50. **For unpurified use at 1/100 - 1/250.**

靶标

功能 Sequence-specific RNA-binding protein that regulates translation and mRNA stability by binding the 3'-UTR of mRNA targets. Its interactions and tissue specificity suggest that it may be required to support proliferation and self-renewal of stem cells by regulating the translation of key transcripts.

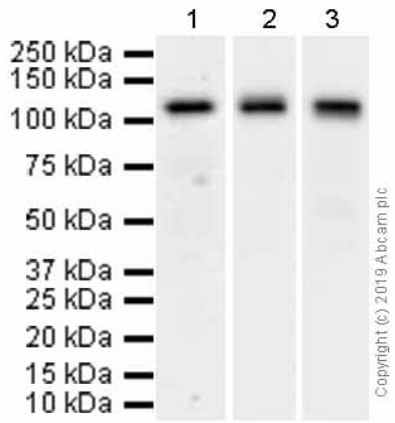
组织特异性 Expressed in male germ cells of adult testis (at protein level). Highly expressed in testis and ovary. Predominantly expressed in stem cells and germ cells. Expressed at lower level in brain, heart, kidney, liver, muscle, placenta, intestine and stomach Expressed in cerebellum, corpus callosum, caudate nucleus, hippocampus, medulla oblongata and putamen. Expressed in all fetal tissues tested.

序列相似性 Contains 1 PUM-HD domain.
Contains 8 pumilio repeats.

结构域 The pumilio repeats mediate the association with RNA by packing together to form a right-handed superhelix that approximates a half doughnut. The number as well as the specific sequence of the repeats determine the specificity for target mRNAs.

细胞定位 Cytoplasm. Cytoplasmic granule. Cytoplasm > perinuclear region. The cytoplasmic granules are stress granules which are a dense aggregation in the cytosol composed of proteins and RNAs that appear when the cell is under stress. Colocalizes with NANOS3 in the stress granules (By similarity). Colocalizes with NANOS1 and SNAPIN in the perinuclear region of germ cells.

图片



Western blot - Anti-Pumilio 2 antibody [EPR3813] (ab92390)

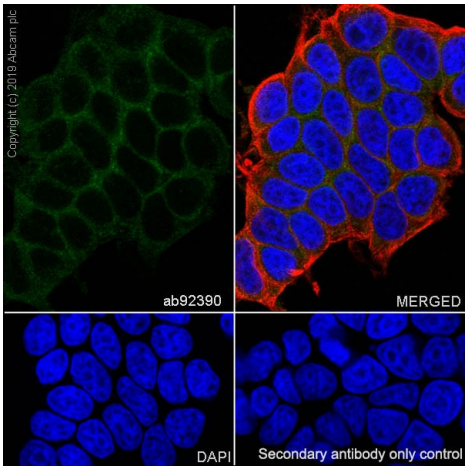
All lanes : Anti-Pumilio 2 antibody [EPR3813] (ab92390) at 1/10000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2 : Mouse brain lysates
Lane 3 : Rat brain lysates

Lysates/proteins at 15 µg per lane.

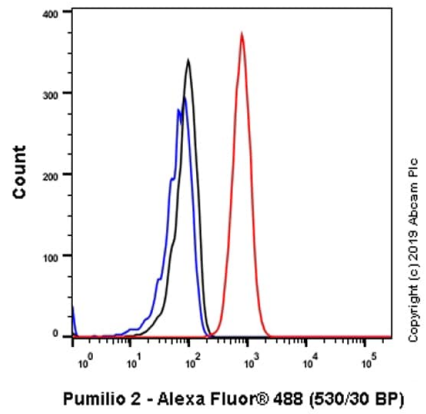
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 114 kDa
Observed band size: 114 kDa



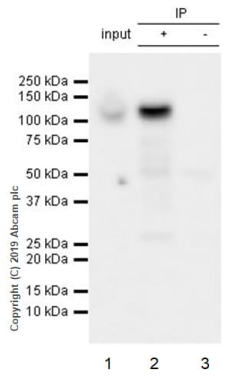
Immunocytochemistry/ Immunofluorescence - Anti-Pumilio 2 antibody [EPR3813] (ab92390)

Immunocytochemistry/ Immunofluorescence analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling Pumilio 2 with purified ab92390 at 1/50 dilution (4.8 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1/200 (2.5 µg/ml) dilution. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



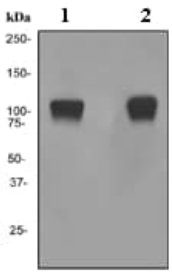
Flow Cytometry (Intracellular) - Anti-Pumilio 2 antibody [EPR3813] (ab92390)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Pumilio 2 with purified ab92390 at 1/30 dilution (10µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluorr® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunoprecipitation - Anti-Pumilio 2 antibody [EPR3813] (ab92390)

ab92390 (purified) at 1/20 dilution (1ug) immunoprecipitating Pumilio 2 in HeLa whole cell lysates.
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates 10ug
Lane 2 (+): ab92390 & HeLa whole cell lysates
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab92390 in HeLa whole cell lysates
For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/1000 dilution.
Blocking and diluting buffer: 5% NFDM/TBST.



Western blot - Anti-Pumilio 2 antibody [EPR3813] (ab92390)

All lanes : Anti-Pumilio 2 antibody [EPR3813] (ab92390) at 1/5000 dilution (unpurified)

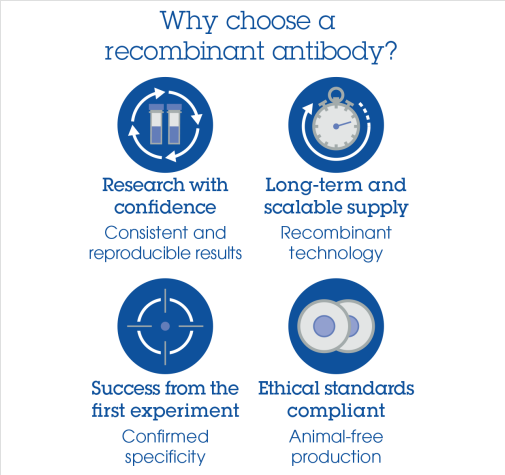
Lane 1 : HeLa cell lysate
Lane 2 : 293T cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 114 kDa

Observed band size: 114 kDa



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