

Product datasheet

Anti-Pumilio 1 antibody [EPR3795] ab92545

Recombinant RabMAb

★ ★ ★ ★ ★ [1 Abreviews](#) [10 References](#) [10 Images](#)

Overview

Product name	Anti-Pumilio 1 antibody [EPR3795]
Description	Rabbit monoclonal [EPR3795] to Pumilio 1
Host species	Rabbit
Specificity	This antibody is predicted to not cross react with Pumilio 2.
Tested applications	Suitable for: ICC/IF, WB, IHC-P, Flow Cyt (Intra) Unsuitable for: IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. within Human Pumilio 1 aa 150-250. The exact sequence is proprietary. Database link: Q14671
Positive control	WB: HeLa, Mouse cerebellum, rat brain and 293T cell lysates IHC-P: Human fetal kidney tissue, human thyroid carcinoma. ICC/IF: HeLa cells
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p>

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3795
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab92545 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

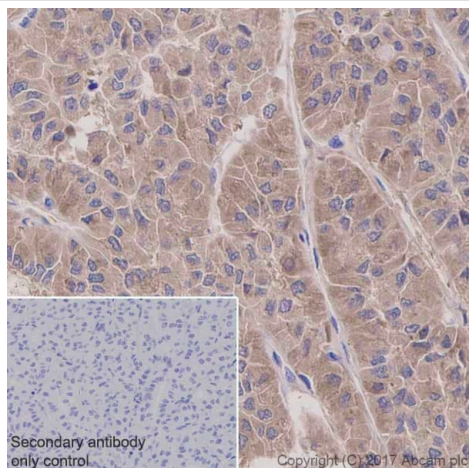
Application	Abreviews	Notes
ICC/IF		1/500. For unpurified use at 1/100 - 1/250.
WB		1/1000 - 1/5000. Predicted molecular weight: 126 kDa.
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. This antibody may not be suitable for IHC with mouse or rat samples.
Flow Cyt (Intra)		1/20. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. For unpurified use at 1/100.

Application notes Is unsuitable for IP.

Target

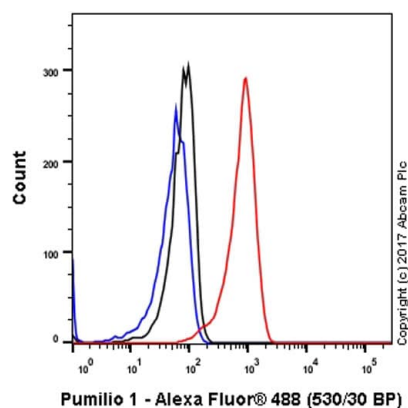
Form Cytoplasm

Images



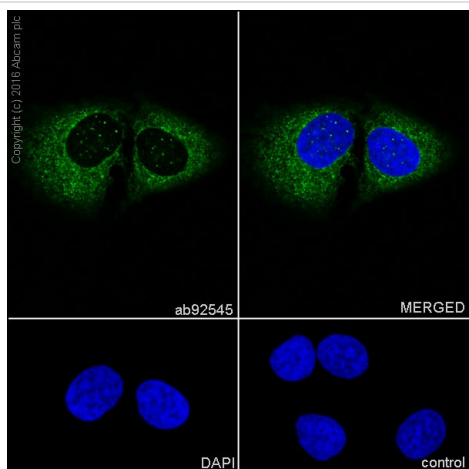
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pumilio 1 antibody [EPR3795] (ab92545)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human thyroid carcinoma tissue sections labeling Pumilio 1 with Purified ab92545 at 1:100 dilution (1.18 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



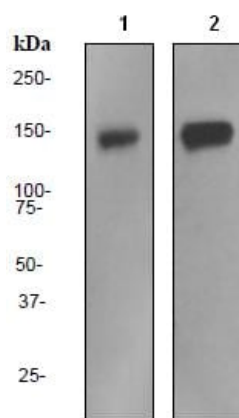
Flow Cytometry (Intracellular) - Anti-Pumilio 1 antibody [EPR3795] (ab92545)

Intracellular Flow Cytometry analysis of HEK-293 (Human embryonic kidney epithelial cell) cells labeling Pumilio 1 with purified ab92545 at 1/20 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilized with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunocytochemistry/ Immunofluorescence - Anti-Pumilio 1 antibody [EPR3795] (ab92545)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling Pumilio 1 with purified ab92545 at 1:500 dilution (0.2 µg/ml). Cells were fixed in 100% Methanol. **ab150077** Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-Pumilio 1 antibody [EPR3795] (ab92545)

All lanes : Anti-Pumilio 1 antibody [EPR3795] (ab92545) at 1/1000 dilution (unpurified)

Lane 1 : HeLa cell lysate

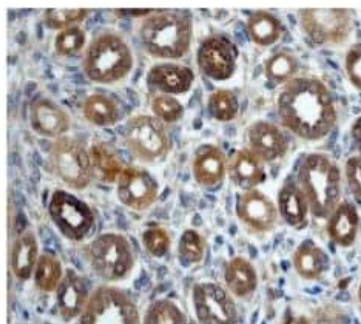
Lane 2 : 293T cell lysates

Lysates/proteins at 10 µg per lane.

Secondary

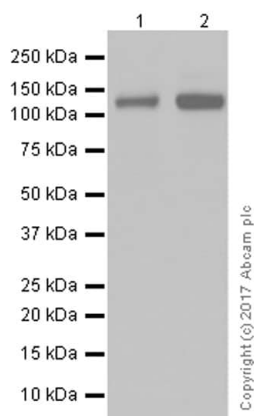
All lanes : Standard HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 126 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Pumilio 1 antibody [EPR3795] (ab92545)

Immunohistochemical analysis of Pumilio 1 in paraffin embedded Human fetal kidney tissue using an unpurified ab92545 at a 1/100 dilution.



Western blot - Anti-Pumilio 1 antibody [EPR3795] (ab92545)

All lanes : Anti-Pumilio 1 antibody [EPR3795] (ab92545) at 1/1000 dilution (purified)

Lane 1 : Mouse cerebellum tissue lysate

Lane 2 : Rat brain tissue lysate

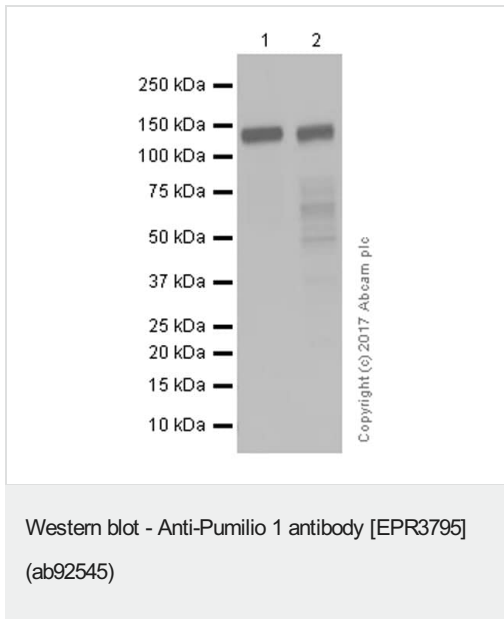
Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 126 kDa

Blocking and diluting buffer: 5% NFDM/TBST



All lanes : Anti-Pumilio 1 antibody [EPR3795] (ab92545) at 1/5000 dilution (purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : HEK-293 (Human embryonic kidney epithelial cell) whole cell lysate

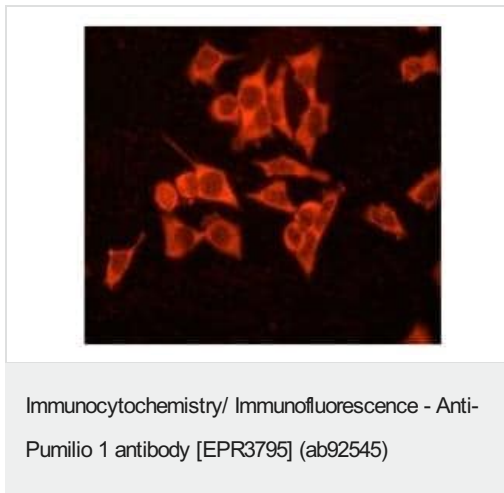
Lysates/proteins at 20 µg per lane.

Secondary

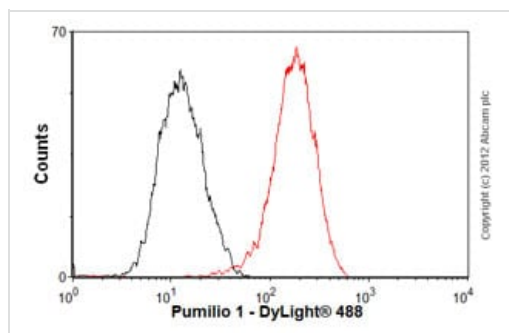
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 126 kDa

Blocking and diluting buffer: 5% NFDM/TBST







Immunofluorescent staining of Pumilio 1 in HeLa cells using an unpurified ab92545 at a 1/100 dilution.



Flow Cytometry (Intracellular) - Anti-Pumilio 1 antibody [EPR3795] (ab92545)

Overlay histogram showing HEK293 cells stained with an unpurified ab92545 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab92545, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (**ab96899**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HEK293 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Pumilio 1 antibody [EPR3795] (ab92545)

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