




Product datasheet

Anti-ARPP-19 antibody ab188615

2 Images

Overview

Product name	Anti-ARPP-19 antibody
Description	Rabbit polyclonal to ARPP-19
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Cow, Pig, Xenopus laevis 
Immunogen	Recombinant fragment corresponding to Human ARPP-19 aa 1-31. Sequence: MSAEVPEAASAEQKEMEDKVTSPKAEAAK Database link: P56211  Run BLAST with  Run BLAST with
Positive control	Human placenta tissue, adrenal gland tissue
General notes	Previously labelled as ARP19.

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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol, 59% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab188615** in the following tested applications.

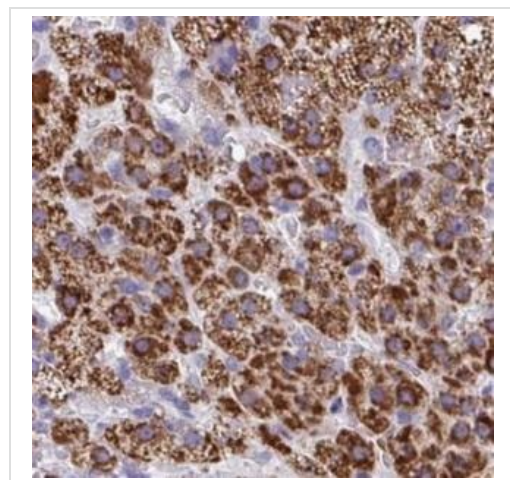
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

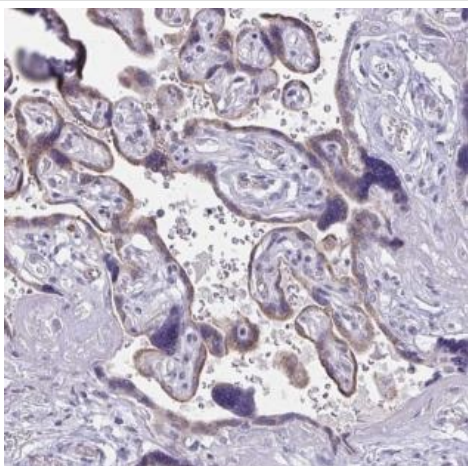
Function	Protein phosphatase inhibitor that specifically inhibits protein phosphatase 2A (PP2A) during mitosis. When phosphorylated at Ser-62 during mitosis, specifically interacts with PPP2R2D (PR55-delta) and inhibits its activity, leading to inactivation of PP2A, an essential condition to keep cyclin-B1-CDK1 activity high during M phase. May indirectly enhance GAP-43 expression.
Sequence similarities	Belongs to the endosulfine family.
Post-translational modifications	Phosphorylation at Ser-62 by GWL during mitosis is essential for interaction with PPP2R2D (PR55-delta) and subsequent inactivation of PP2A (By similarity). Phosphorylated by PKA. Isoform ARPP-16 contains a N-acetylmethionine at position 1.
Cellular localization	Cytoplasm.

Images



Immunohistochemical analysis of paraffin embedded Human adrenal gland tissue staining ARPP-19 using ab188615 at a 1/200 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARPP-19 antibody (ab188615)



Immunohistochemical analysis of paraffin embedded Human placenta tissue staining ARPP-19 using ab188615 at a 1/200 dilution

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ARPP-19 antibody (ab188615)

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