

Product datasheet for **TA363882**

ATP4A Mouse Monoclonal Antibody [Clone ID: PPC19]

Product data:

Product Type: Primary Antibodies

Clone Name: PPC19

Applications: ELISA, IHC, WB

Recommended Dilution: Each lot of this antibody has been tested and validated for immunohistochemistry on formalin-fixed paraffin sections (IHC-P). Approximate working dilution for IHC: Paraffin sections: 4-8 µg/ml (1:50-1:100); microwave pretreatment for antigen retrieval is recommended.

Reactivity: Pig

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Immunogen: Porcine stomach extract.

Specificity: Pig: parietal (oxyntic) cells Other: not tested

Epitope: The antibody reacts with formaldehyde-treated porcine gastric H,K-ATPase. The epitope has not been further characterized.

Distribution: Tissue sections: porcine gastric parietal (oxyntic) cells of the fundic gland region

Formulation: State: Affinity purified from cell culture supernatant, lyophilized, packaged under nitrogen.
Buffer: Phosphate buffered saline pH 7.2 (PBS), 6 mg/ml BSA as a stabilizer and 0.05% (v/v) Kathon CG as a preservative.

Reconstitution Method: Reconstitute by adding 0.5 ml distilled water.

Concentration: 0.4 mg/ml IgG after reconstitution

Conjugation: Unconjugated

Storage: Original vial: 1 year at 4° - 8°C. Minimize repeated thawing and freezing of the stock solution.

Database Link: [Entrez Gene 397552 Pig P19156](#)



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Background:

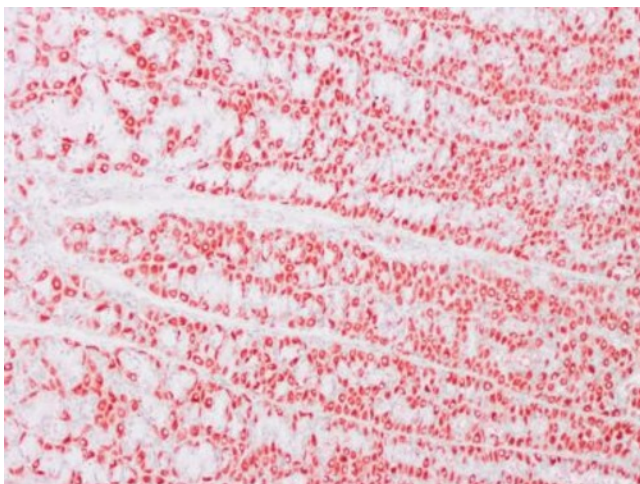
Monoclonal antibody PPC19 recognizes the porcine gastric H,K-ATPase. This enzyme catalyzes the hydrolysis of ATP coupled with the exchange of H⁺ and K⁺ ions across the plasma membrane and is thus responsible for acid production in the stomach. The functional proton pump is actually a heterodimer consisting of a 114kDa alpha subunit with catalytic activity, and a 33kDa stabilizing beta subunit. Of the various cell types that form the gastric mucosa, only parietal (oxyntic) cells of the fundic gland region possess this enzyme. Of pathological significance, their dysfunction induced by H. pylori infection leads to atrophic gastritis. This antibody was produced in vitro in bioreactors.

Synonyms:

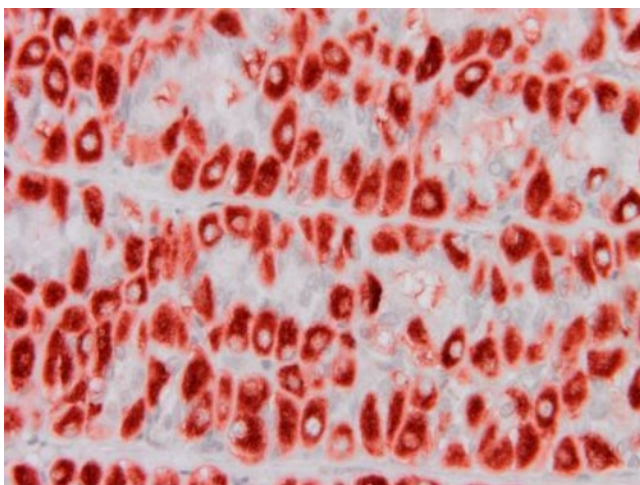
ATP6A

Product images:


TA363882, Clone PPC19, swine stomach, paraffin section



TA363882, Clone PPC19, swine stomach, paraffin section



TA363882, Clone PPC19, swine stomach, paraffin section