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# Product datasheet for TA336411

## APIP Mouse Monoclonal Antibody [Clone ID: 19F461]

### Product data:

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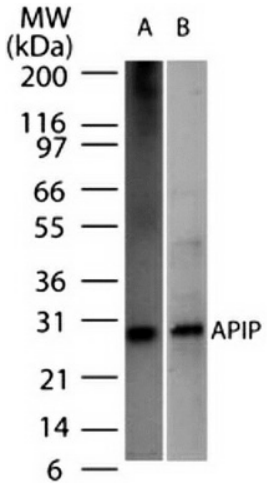
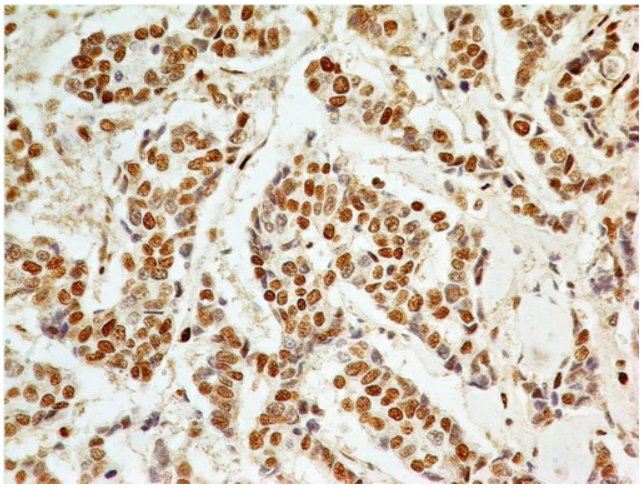
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | 19F461 |
| **Applications:** | IHC, WB |
| **Recommend Dilution:** | WB: 1-2 ug/ml, IHC: 5 ug/ml, IHC-P: 5 ug/ml |
| **Reactivity:** | Human |
| **Host:** | Mouse |
| **Isotype:** | IgG2b, kappa |
| **Clonality:** | Monoclonal |
| **Immunogen:** | The antibody was developed against a full-length His-tagged recombinant APIP. |
| **Formulation:** | PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| **Concentration:** | 0.5 mg/ml |
| **Purification:** | Protein G purified |
| **Gene Name:** | APAF1 interacting protein |
| **Database Link:** | NP_057041 Entrez Gene 51074 Human |
| **Background:** | The mammalian homologues of the key cell death gene CED-4 in C. elegans has been identified recently from human and mouse and designated Apaf1 (for apoptosis protease-activating factor 1). Apaf1 binds to cytochrome c (Apaf2) and caspase-9 (Apaf3), which leads to caspase-9 activation. Activated caspase-9 in turn cleaves and activates caspase-3 that is one of the key proteases, being responsible for the proteolytic cleavage of many key proteins in apoptosis3. Recently, Cho et al have identified a new Apaf-1 Interactiong Protein (APIP) also known as CG129 and MMRP19, as a negative regulator of ischemic injury. APIP competes with Caspase-9 binding site of Apaf1. APIP is predicted to code for a 204 amino acid. An isoform of APIP, APIP2 encodes a 242 amino acid protein, which is an alternative splicing variant differing in its N-terminus from APIP. APIP transcript is ubiquitously expressed in most adult tissue with high expression in skeletal muscle, heart, and kidney. |
| **Synonyms:** | APIP2; CGI-29; CGI29; hAPIP; MMRP19 |
| **Protein Pathways:** | Cysteine and methionine metabolism, Metabolic pathways |

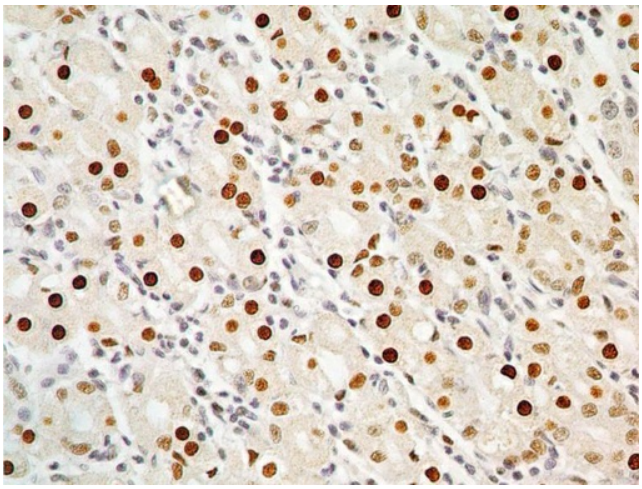
## Product images:



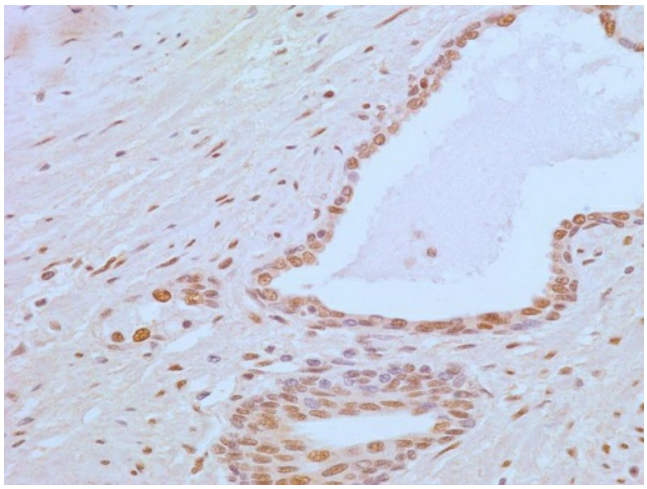

Western Blot: APIP Antibody (19F461) TA336411 - WB analysis of APIP2 in (A) recombinant protein and (B) HeLa cell lysate using APIP antibody at 2 ug/ml.



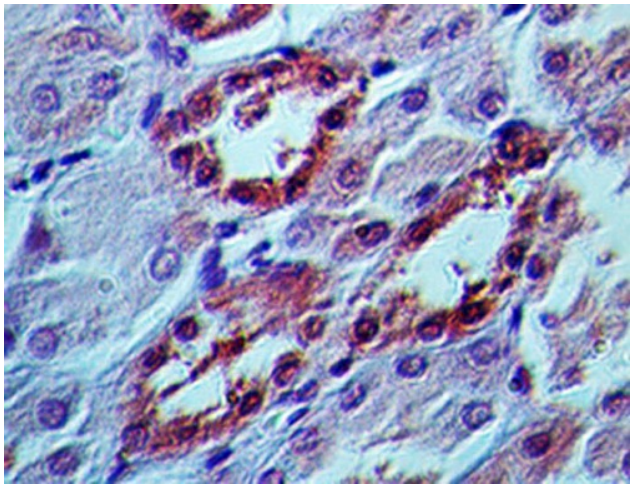
Immunohistochemistry-Paraffin: APIP Antibody (19F461) TA336411 - Formalin-fixed, paraffin-embedded adenocarcinoma of the breast stained with APIP antibody (5 ug/ml), peroxidase-conjugate and DAB chromogen. Staining of formalin-fixed tissues is enhanced



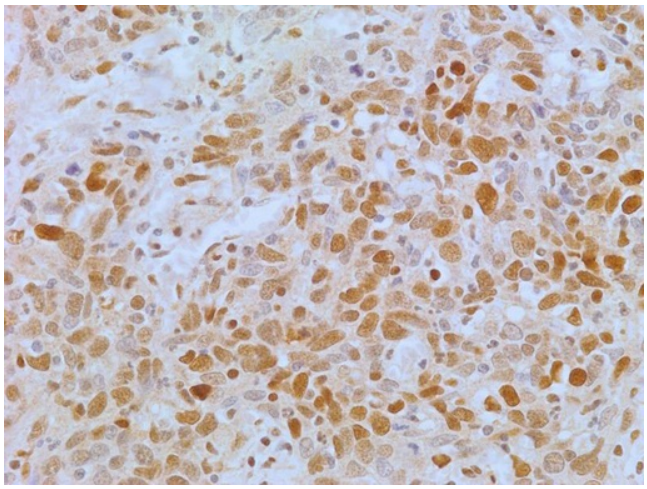
Immunohistochemistry-Paraffin: APIP Antibody (19F461) TA336411 - Formalin-fixed, paraffin-embedded human stomach stained with APIP antibody (5 ug/ml), peroxidase-conjugate and DAB chromogen. Staining of formalin-fixed tissues is enhanced by boiling tiss



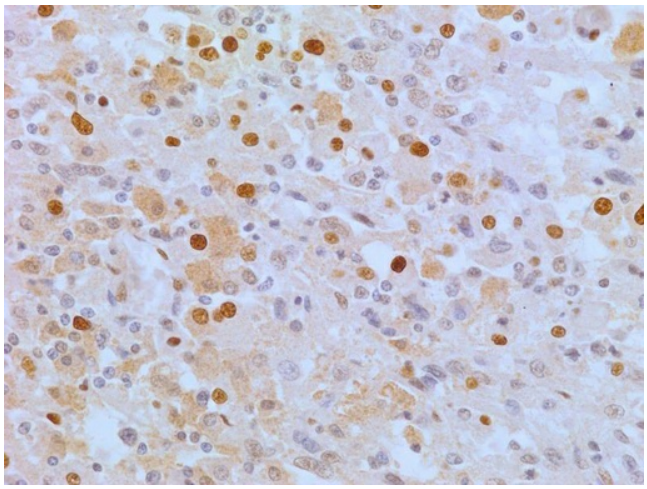
Immunohistochemistry-Paraffin: APIP Antibody (19F461) TA336411 - IHC-P analysis of APIP in a section of normal prostate from human using 5 ug/ml concentration of APIP antibody (clone 19F461). The tubuloalveolar glands in prostate section depicted APIP p



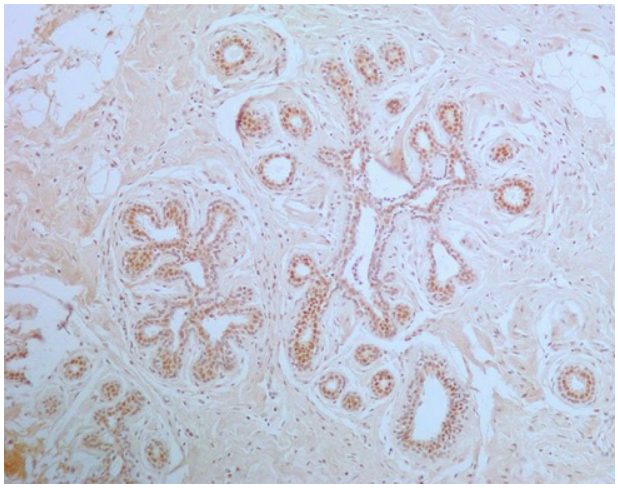
Immunohistochemistry-Paraffin: APIP Antibody (19F461) TA336411 - IHC-P analysis of formalin-fixed paraffin-embedded human kidney tissue using APIP antibody at 5 ug/ml concentration.



Immunohistochemistry-Paraffin: APIP Antibody (19F461) TA336411 - IHC-P analysis of human lung cancer tissue section using APIP antibody (clone 19F461) at a concentration of 5 ug/ml. The representative image shows a nuclear and cytoplasmic staining patte



Immunohistochemistry-Paraffin: APIP Antibody (19F461) TA336411 - IHC-P analysis of human renal cancer tissue section using APIP antibody (clone 19F461) at a concentration of 5 ug/ml. The representative image shows a nuclear and cytoplasmic staining patt



Immunohistochemistry-Paraffin: APIP Antibody (19F461) TA336411 - IHC-P detection of APIP in a section of normal human breast tissue using APIP antibody (clone 19F461) at a concentration of 5 ug/ml. The breast's ductal/acinar epithelial cells showed stro