10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

API5 Polyclonal Antibody
Catalog # AP68447

Specification

API5 Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q9BZZ5
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**

API5 Polyclonal Antibody - Additional Information

Gene ID 8539

Other Names
API5; MIG8; Apoptosis inhibitor 5; API-5; Antiapoptosis clone 11 protein; AAC-11; Cell migration-inducing gene 8 protein; Fibroblast growth factor 2-interacting factor; FIF; Protein XAGL

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

API5 Polyclonal Antibody - Protein Information

Name API5 (HGNC:594)

Function
Antiapoptotic factor that may have a role in protein assembly. Negatively regulates ACIN1. By binding to ACIN1, it suppresses ACIN1 cleavage from CASP3 and ACIN1-mediated DNA fragmentation. Also known to efficiently suppress E2F1-induced apoptosis. Its depletion enhances the cytotoxic action of the chemotherapeutic drugs.

Cellular Location
Nucleus. Cytoplasm. Note=Mainly nuclear. Can also be cytoplasmic

Tissue Location
Expressed in all tissues tested, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas Highest levels in heart, pancreas and placenta. Highly expressed in several cancers. Preferentially expressed in squamous cell carcinoma versus adenocarcinoma in non-small cell lung cancer

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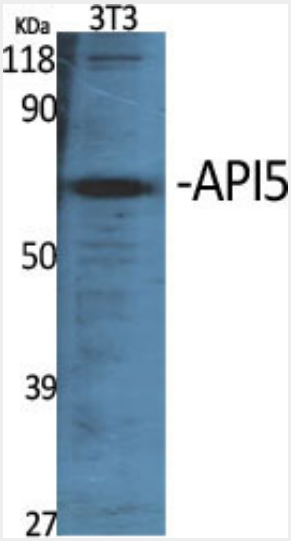
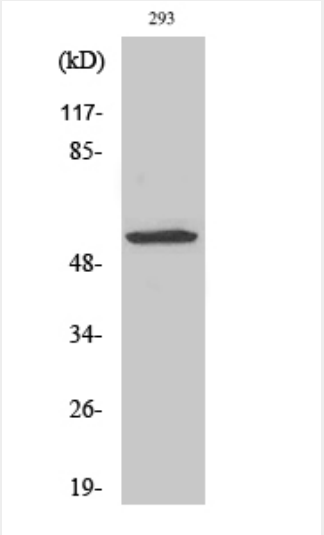
API5 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

API5 Polyclonal Antibody - Images





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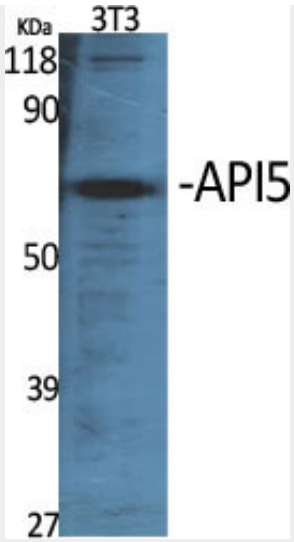

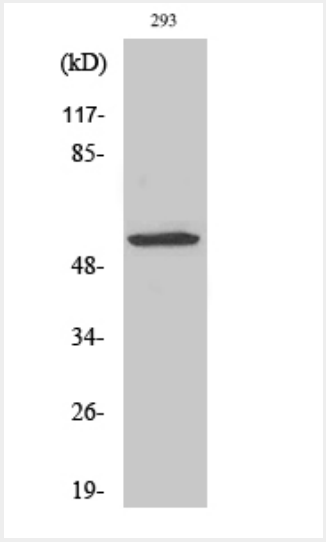

API5 Polyclonal Antibody - Background

Antiapoptotic factor that may have a role in protein assembly. Negatively regulates ACIN1. By binding to ACIN1, it suppresses ACIN1 cleavage from CASP3 and ACIN1-mediated DNA fragmentation. Also known to efficiently suppress E2F1-induced apoptosis. Its depletion enhances the cytotoxic action of the chemotherapeutic drugs.