

API5 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50983**Specification**

API5 Antibody - Product Information

Application	WB, IP, IHC-P, E
Primary Accession	Q9BZZ5
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58 KDa

API5 Antibody - Additional Information**Gene ID** 8539**Other Names**

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, API5

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human API5. The exact sequence is proprietary.

Dilution

WB~~1:1000

IP~~N/A

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

API5 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

API5 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 Cytometry](#)
- [Cell Culture](#)

API5 Antibody - Images**API5 Antibody - Background**

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API5 Antibody - References

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Gianfrancesco F., et al. Cytogenet. Cell Genet. 84:164-166(1999).
Van den Berghe L., et al. Mol. Endocrinol. 14:1709-1724(2000).
Kim J.W., et al. Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
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