

API5 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18825b**Specification**

API5 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9BZZ5](#)**API5 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

API5 Antibody (C-term) Blocking Peptide - 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 (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

API5 Antibody (C-term) Blocking Peptide - Images

API5 Antibody (C-term) Blocking Peptide - Background

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API5 Antibody (C-term) Blocking Peptide - References

Wang, Z., et al. Med. Sci. Monit. 16 (8), CR357-CR364 (2010) :Ren, K., et al. Pathol. Oncol. Res. 16(2):229-237(2010)Need, A.C., et al. Hum. Mol. Genet. 18(23):4650-4661(2009)Rigou, P., et al. EMBO J. 28(11):1576-1588(2009)Wang, Y., et al. J. Biol. Chem. 283(19):13205-13215(2008)