10320 Camino Santa Fe, Suite G
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API5 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18825b

Specification

API5 Antibody (C-term) Blocking Peptide - Product Information

Primary 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

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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)