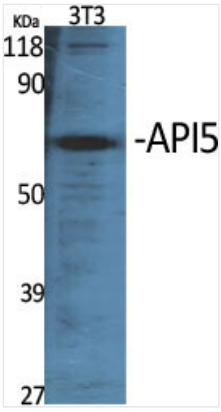
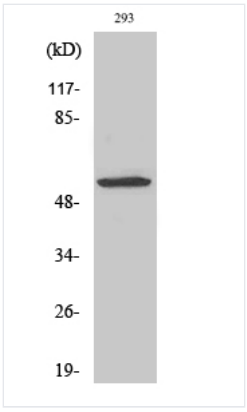
API5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

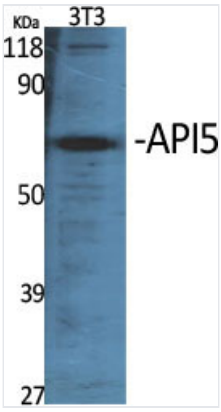
Product Name	API5, Polyclonal Antibody
Full Product Name	API5 Polyclonal Antibody
Product Gene Name	anti-API5 antibody
Product Synonym Names	API5; MIG8; Apoptosis inhibitor 5; API-5; Antiapoptosis clone 11 protein; AAC-11; Cell migration-inducing gene 8 protein; Fibroblast growth factor 2-interacting factor; FIF; Protein XAGL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	59,005 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (43333505..43366080). Location: 11p11.2
OMIM	609774
3D Structure	ModBase 3D Structure for Q9BZZ5
Applications Tested/Suitable for anti-API5 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P)
Related Product Information for anti-API5 antibody	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.
Other Notes	Small volumes of anti-API5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for API5 purchase	MBS9242729 is an antibody targeting API5. Also known as API5 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



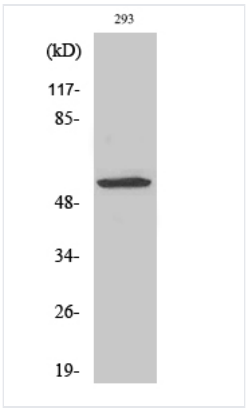
Wester Blot (WB) of anti-API5 antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.



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ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for API5. It may not necessarily be applicable to this product.

NCBI GI #	219283152
NCBI GeneID	8539
NCBI Accession #	NP_001136402.1
UniProt Primary Accession #	Q9BZZ5
UniProt Secondary Accession #	O15441; Q9Y4J7; B4DGR0; B4DRJ2; D3DR21
UniProt Related Accession #	Q9BZZ5
GenBank Nucleotide #	NM_001142930.1
NCBI Official Full Name	apoptosis inhibitor 5 isoform a
NCBI Official Synonym Full Names	apoptosis inhibitor 5
NCBI Official Symbol	API5
NCBI Official Synonym Symbols	AAC11; AAC-11
UniProt Protein Name	Apoptosis inhibitor 5
UniProt Synonym Protein Names	Antiapoptosis clone 11 protein; AAC-11; Cell migration-inducing gene 8 protein; Fibroblast growth factor 2-interacting factor; FIF; Protein XAGL
Protein Family	Apoptosis inhibitor
UniProt Gene Name	API5
UniProt Synonym Gene Names	API-5; AAC-11; FIF
UniProt Entry Name	API5_HUMAN
NCBI Protein Information	apoptosis inhibitor 5; FIF; antiapoptosis clone 11 protein; migration-inducing protein MIG8; cell migration-inducing gene 8 protein; fibroblast growth factor 2-interacting factor 2
NCBI Summary for API5	This gene encodes an apoptosis inhibitory protein whose expression prevents apoptosis after growth factor deprivation. This protein suppresses the transcription factor E2F1-induced apoptosis and also interacts with, and negatively regulates Acinus, a nuclear factor involved in apoptotic DNA fragmentation. Its depletion enhances the cytotoxic action of the chemotherapeutic drugs. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]

UniProt Comments for API5	API5: 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. Belongs to the API5 family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis; RNA-binding Chromosomal Location of Human Ortholog: 11p11.2 Cellular Component: nucleoplasm; spliceosome; membrane; cytoplasm; nucleus Molecular Function: protein binding; fibroblast growth factor binding Biological Process: apoptosis; negative regulation of apoptosis
Research Articles on API5	**1.** structure and function of API5
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/api5/9242729