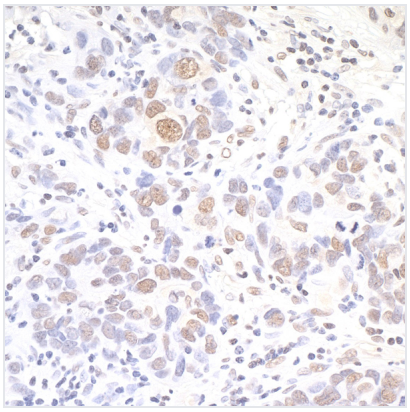
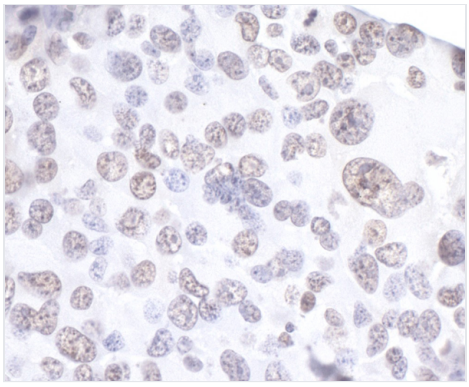
API5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

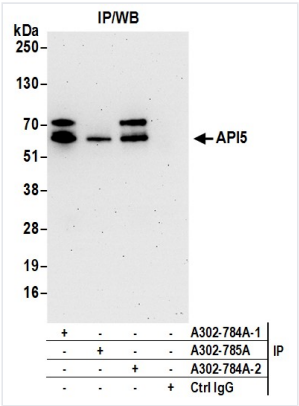
Product Name	API5, Polyclonal Antibody
Full Product Name	Rabbit anti-API5 Antibody, Affinity Purified
Product Gene Name	anti-API5 antibody
Product Synonym Names	Fibroblast growth factor 2-interacting factor; Protein XAGL; migration-inducing protein MIG8; AAC11; fibroblast growth factor 2-interacting factor 2; cell migration-inducing gene 8 protein; apoptosis inhibitor 5; API-5; antiapoptosis clone 11 protein; AAC-11; FIF; Apoptosis inhibitor 5; apoptosis inhibitor 5
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	200ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
OMIM	609774
3D Structure	ModBase 3D Structure for Q9BZZ5
Predicted Reactivity	X. laevis, Chicken, Orangutan
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Product Categories/Family for anti-API5 antibody	Primary Antibodies
Applications Tested/Suitable for anti-API5 antibody	Western Blot (WB), Immunoprecipitation (IP), Immunohistochemistry (IHC)
Application Notes for anti-API5 antibody	WB: 1:2000-1:10,000 IP: 6ug/mg lysate IHC: 1:100-1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Related Product Information for anti-API5 antibody	API5 (apoptosis inhibitor 5) is an antiapoptotic factor that may have a role in protein assembly. API5 negatively regulates ACIN1. By binding to ACIN1, API5 suppresses ACIN1 cleavage from CASP3 and ACIN1-mediated DNA fragmentation. API5 is 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	MBS3903133 is an antibody targeting API5. Also known as Rabbit anti-API5 Antibody, Affinity Purified. Reactive in Human, Mouse. Host: Rabbit.



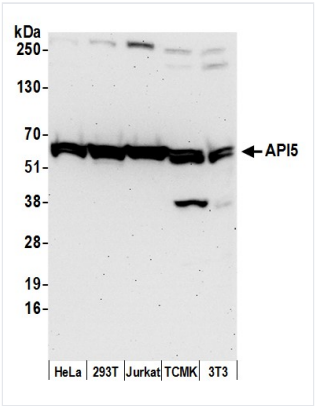
Immunohistochemistry (IHC) of anti-API5 antibody
Detection of human API5 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-API5 (Cat. No. MBS3903133 Lot2) used at 1:200 (1 ug/ml). Detection: DAB



Immunohistochemistry (IHC) of anti-API5 antibody
Detection of mouse API5 by immunohistochemistry. Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti-API5 (Cat. No. MBS3903133 Lot2) used at 1:200 (1 ug/ml) Detection: DAB



Immunoprecipitation (IP) of anti-API5 antibody
Detection of human API5 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat, cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-API5 antibody MBS3903133 (lot MBS3903133-2) used for IP at 3 ug per reaction. API5 was also immunoprecipitated by a previous lot of this antibody (lot MBS3903133-1) and rabbit anti-API5 antibody A302-785A. For blotting immunoprecipitated API5, MBS3903133 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes



Western Blot (WB) of anti-API5 antibody
Detection of human and mouse API5 by western blot. Samples:Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-API5 antibody MBS3903133 (lot MBS3903133-2) used for WB at 0.1 ug/ml. Detection:Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL DETAILS

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

NCBI GeneID	8539
NCBI Accession #	XP_508375.2
UniProt Primary Accession #	Q9BZZ5
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

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
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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