

## ARG42925 anti-API5 / FIF antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes API5 / FIF
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	API5 / FIF
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 487-504 of Human API5 / FIF. (KYSSNLGNFNYSRLQ GK)
Conjugation	Un-conjugated
Alternate Names	Apoptosis inhibitor 5; Antiapoptosis clone 11 protein; API-5; AAC11; Protein XAGL; AAC-11; FIF; Fibroblast growth factor 2-interacting factor; Cell migration-inducing gene 8 protein

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:1000
	IHC-Fr	1:200 - 1:1000
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 55 kDa	

### Properties

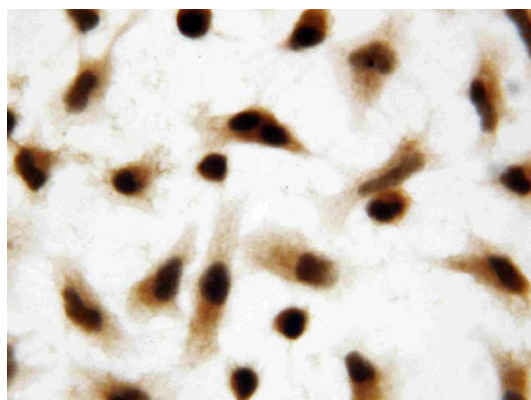
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

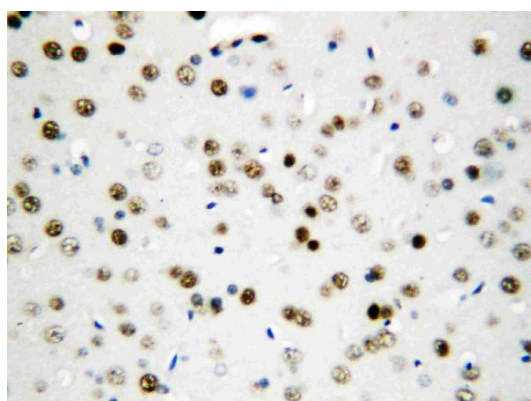
Gene Symbol	API5
Gene Full Name	apoptosis inhibitor 5
Background	This gene encodes an apoptosis inhibitory protein whose expression prevents apoptosis after growth factor deprivation. This protein suppresses the transcription factor E2F1-induced apoptosis and also interacts with, and negatively regulates 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]
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. [UniProt]
Calculated Mw	59 kDa
PTM	Acetylation at Lys-251 impairs antiapoptotic function. [UniProt]
Cellular Localization	Nucleus. Cytoplasm. Note=Mainly nuclear. Can also be cytoplasmic. Isoform 3: Cytoplasm. [UniProt]

## Images



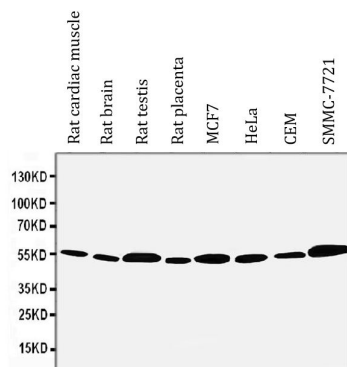
ARG42925 anti-API5 / FIF antibody ICC image

Immunocytochemistry: HeLa cells stained with ARG42925 anti-API5 / FIF antibody.



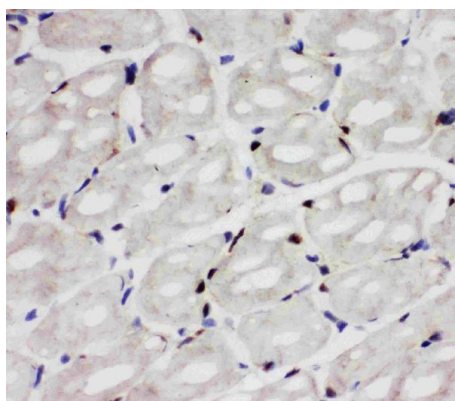
ARG42925 anti-API5 / FIF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue stained with ARG42925 anti-API5 / FIF antibody.



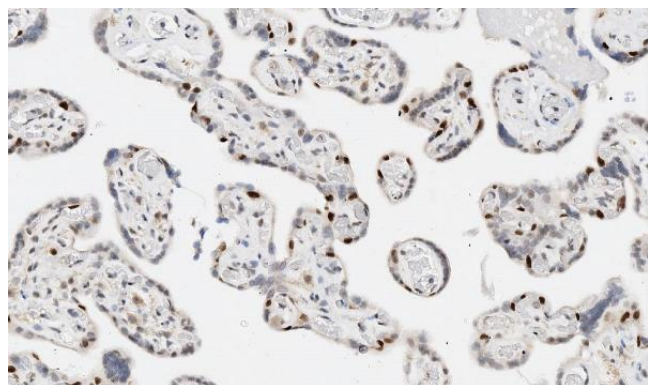
ARG42925 anti-API5 / FIF antibody WB image

Western blot: Rat cardiac muscle, Rat brain, Rat testis, Rat placenta, MCF7, HeLa, CEM and SMMC-7721 cell lysates stained with ARG42925 anti-API5 / FIF antibody.



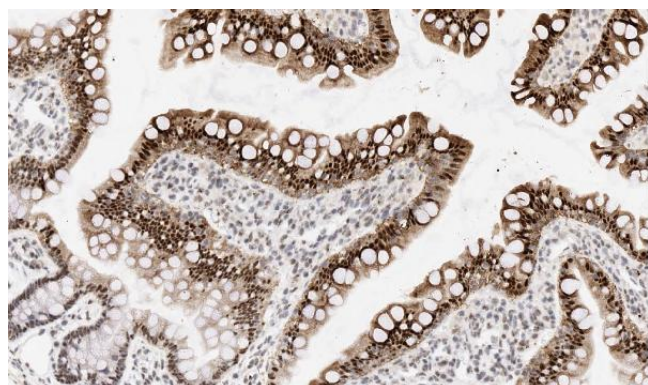
ARG42925 anti-API5 / FIF antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat cardiac muscle tissue stained with ARG42925 anti-API5 / FIF antibody.



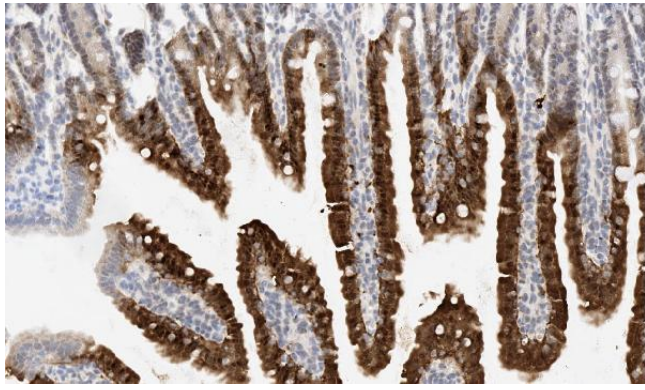
ARG42925 anti-API5 / FIF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42925 anti-API5 / FIF antibody at 1 µg/ml dilution, overnight at 4°C.



ARG42925 anti-API5 / FIF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat intestines tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42925 anti-API5 / FIF antibody at 1 µg/ml dilution, overnight at 4°C.



ARG42925 anti-API5 / FIF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse intestines tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42925 anti-API5 / FIF antibody at 1 µg/ml dilution, overnight at 4°C.