

## API5 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP00515
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human API-5. AA range:421-470
<b>Mol wt</b>	57561
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	API5 Antibody
<b>Synonyms</b>	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

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

API5 encodes an apoptosis inhibitory protein whose expression prevents apoptosis after growth factor deprivation. This protein (apoptosis inhibitor 5) 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.

### Recommended Dilution

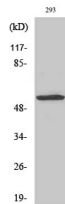
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

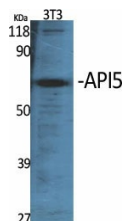
ELISA: 1: 20000

Not yet tested in other applications.

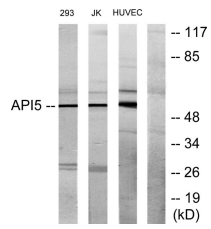
### Images



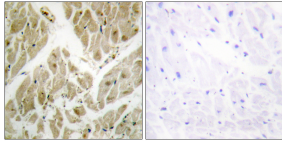
Western Blot analysis of HuvEc cells using API5 Polyclonal Antibody diluted at 1:1000



Western Blot analysis of various cells using API5 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from 293, Jurkat, and HUVEC cells, using API-5 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using API-5 Antibody. The picture on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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