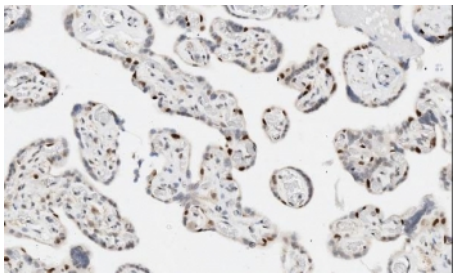
Apoptosis inhibitor 5 Antibody / API5 (R30177)

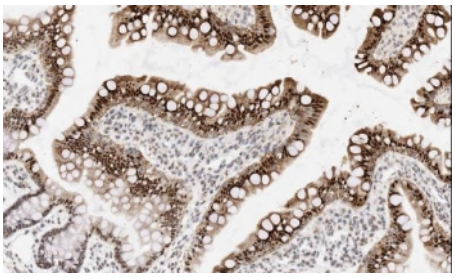
Catalog No.	Formulation	Size
R30177	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

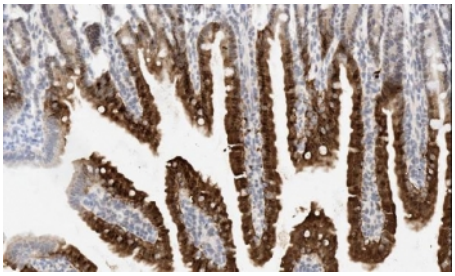
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9BZZ5
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml Immunohistochemistry (Frozen): 0.5-1ug/ml Immunofluorescence: 5ug/ml
Limitations	This Apoptosis inhibitor 5 antibody is available for research use only.



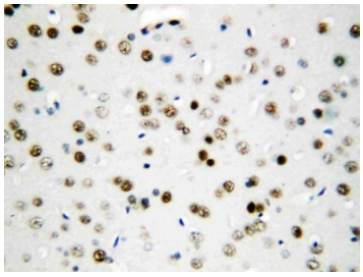
IHC staining of FFPE human placental tissue with Apoptosis inhibitor 5 antibody. HIER: boil tissue sections in pH6 citrate buffer for 20 min and allow to cool before testing.



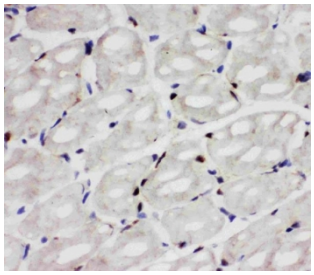
IHC staining of FFPE rat intestine tissue with Apoptosis inhibitor 5 antibody. HIER: boil tissue sections in pH6 citrate buffer for 20 min and allow to cool before testing.



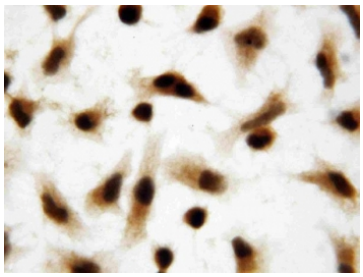
IHC staining of FFPE mouse intestine tissue with Apoptosis inhibitor 5 antibody. HIER: boil tissue sections in pH6 citrate buffer for 20 min and allow to cool before testing.



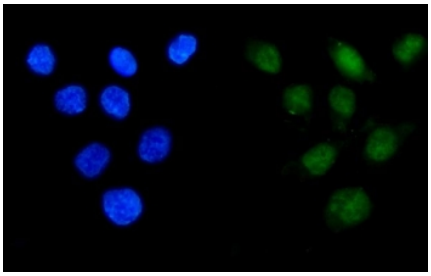
IHC staining of FFPE rat brain tissue with Apoptosis inhibitor 5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



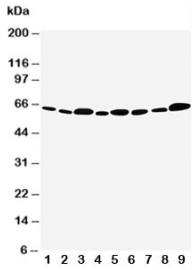
IHC staining of frozen rat heart tissue with Apoptosis inhibitor 5 antibody.



ICC staining of human HeLa cells with Apoptosis inhibitor 5 antibody.



Immunofluorescent staining of FFPE human SK-O-V3 cells with Apoptosis inhibitor 5 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of Apoptosis Inhibitor 5 antibody and Lane 1: rat heart; 2: rat brain; 3: rat testis; 4: rat placenta; 5: human MCF-7; 6: human HeLa; 7: human CEM; 8: human SMMC-7721; 9: human COLO320 cell lysate. Predicted molecular weight ~59 kDa.

Description

Many growth factors and cytokines act as cellular survival factors by preventing programmed cell death(apoptosis). Apoptosis inhibitor 5 (API5) is an antiapoptotic factor which may have a role in protein assembly. The API5 gene to chromosome 11p12 based on an alignment of the API5 sequence with the genomic sequence It is a critical determinant of E2F1-induced apoptosis, acting downstream of E2F to suppress E2F-dependent apoptosis without generally blocking E2F-dependent transcription.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Apoptosis inhibitor 5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Apoptosis inhibitor 5 (amino acids 487-504 of isoform b, KYSSNLGNFNYERSLQGK) was used as the immunogen for this Apoptosis inhibitor 5 antibody.

Storage

After reconstitution, the Apoptosis inhibitor 5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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