



Rabbit Anti-FUBP1 antibody

SL13224R

Product Name:	FUBP1
Chinese Name:	DNA解旋酶V抗体
Alias:	FBP1; DNA helicase V; far upstream element (FUSE) binding protein 1; Far upstream element (FUSE) binding protein 4; Far upstream element binding protein 1; far upstream element binding protein; Far upstream element-binding protein 1; FBP; FUBP; Fubp1; FUBP1 HUMAN; Fubp4; FUSE binding protein 1; FUSE-binding protein 1; HDH V.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Zebrafish,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	68kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FUBP1/DNA helicase V/FBP1:551-650/644
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Activation of FUSE, the far upstream element, is required for the proper ex-pression of the mammalian gene c-Myc in undifferentiated cells. The binding of FBP1 (FUSE-binding protein or far upstream element-binding protein) to FUSE is necessary for c-

Myc expression, indicating that FBP1 functions as a growth-dependent regulator of c-Myc expression. Isolated from proliferating HL-60 cells, FBP1 (FBP), FBP2 and FBP3 comprise a family of single-stranded DNA-binding proteins that specifically bind to FUSE elements. The FBP transcription factors share a conserved central DNA-binding domain and show significant homology in their carboxyl-terminal activation domains. Expression of FBP1 is detected in undifferentiated cells and is substantially decreased following cellular differentiation.

Function:

Regulates MYC expression by binding to a single-stranded far-upstream element (FUSE) upstream of the MYC promoter. May act both as activator and repressor of transcription.

Subunit:

Found in a complex with PUF60 and far upstream element (FUSE) DNA segment. Interacts with PUF60 and JTV1.

Subcellular Location:

Nucleus.

Post-translational modifications:

Ubiquitinated. This targets the protein for proteasome-mediated degradation.

Similarity:

Contains 4 KH domains.

SWISS:

Q96AE4

Gene ID:

8880

Database links:

[Entrez Gene: 8880](#)Human

[Entrez Gene: 51886](#)Mouse

[Entrez Gene: 654496](#)Rat

[Entrez Gene: 513562](#)Cow

[Oimim: 603444](#)Human

[SwissProt: Q96AE4](#)Human

[SwissProt: Q91WJ8](#)Mouse

[SwissProt: Q32PX7](#)Rat

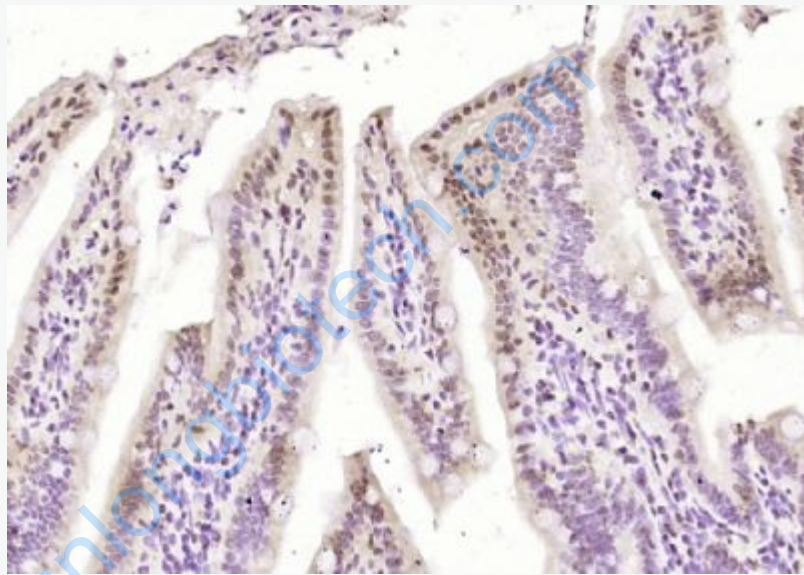
[Unigene: 567380](#)Human

[Unigene: 278922](#)Mouse

[Unigene: 177078](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FUBP1) Polyclonal Antibody, Unconjugated (SL13224R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.