# antibodies

Datasheet for ABIN6139631 anti-DIS3 antibody (AA 1-280)

Image



#### Overview

0.01.000	
Quantity:	100 μL
Target:	DIS3
Binding Specificity:	AA 1-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DIS3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human DIS3 (NP_055768.3).
Sequence:	MLKSKTFLKK TRAGGVMKIV REHYLRDDIG CGAPGCAACG GAHEGPALEP QPQDPASSVC
	PQPHYLLPDT NVLLHQIDVL EDPAIRNVIV LQTVLQEVRN RSAPVYKRIR DVTNNQEKHF
	YTFTNEHHRE TYVEQEQGEN ANDRNDRAIR VAAKWYNEHL KKMSADNQLQ VIFITNDRRN
	KEKAIEEGIP AFTCEEYVKS LTANPELIDR LACLSEEGNE IESGKIIFSE HLPLSKLQQG
	IKSGTYLQGT FRASRENYLE ATVWIHGDNE ENKEIILQGL
lsotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat

Purification: Affinity purification

Characteristics:

Polyclonal Antibodies

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# Target Details

l'alget Details	
Target:	DIS3
Alternative Name:	DIS3 (DIS3 Products)
Background:	Putative catalytic component of the RNA exosome complex which has 3'->5' exoribonuclease
	activity and participates in a multitude of cellular RNA processing and degradation events. In
	the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species
	such as rRNA, snRNA and snoRNA, in the elimination of RNA processing by-products and non-
	coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream
	transcripts (PROMPTs, and of mRNAs with processing defects, thereby limiting or excluding
	their export to the cytoplasm. The RNA exosome may be involved in Ig class switch
	recombination (CSR and/or Ig variable region somatic hypermutation (SHM by targeting AICDA
	deamination activity to transcribed dsDNA substrates. In the cytoplasm, the RNA exosome
	complex is involved in general mRNA turnover and specifically degrades inherently unstable
	mRNAs containing AU-rich elements (AREs within their 3' untranslated regions, and in RNA
	surveillance pathways, preventing translation of aberrant mRNAs. It seems to be involved in
	degradation of histone mRNA. DIS3 has both 3'-5' exonuclease and endonuclease
	activities.,DIS3,2810028N01Rik,EXOSC11,KIAA1008,RRP44,dis3p,Epigenetics & Nuclear
	Signaling,Cell Biology & Developmental Biology,Cell Cycle,DIS3
Molecular Weight:	105 kDa/109 kDa
Gene ID:	22894
UniProt:	Q9Y2L1
Application Details	
Application Notes:	WB,1:1000 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

should be handled by trained staff only.

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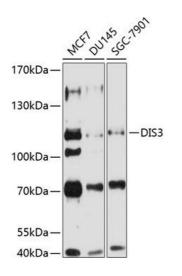
## Handling

Storage: -20 °C

Storage Comment:

Store at -20°C. Avoid freeze / thaw cycles.

Validation report #104387 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



## Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using DIS3 antibody (ABIN6131844, ABIN6139631, ABIN6139632 and ABIN6224049) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 5s.