

Rabbit DIS3L2 Polyclonal Antibody | anti-DIS3L2 antibody

DIS3L2 Antibody

CATALOG # AAA40820	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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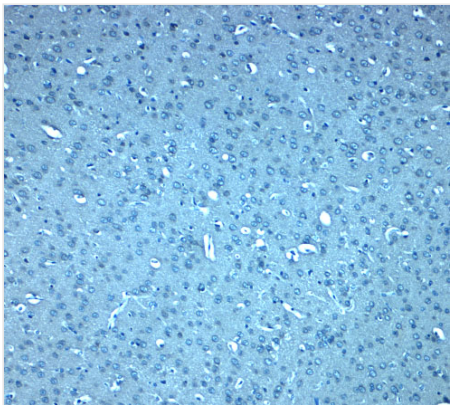
PRODUCT SYNONYMS

DIS3L2; Polyclonal Antibody; DIS3L2 Antibody; DIS3 like 3'-5' exoribonuclease 2; FAM6A; PRLMNS; anti-DIS3L2 antibody

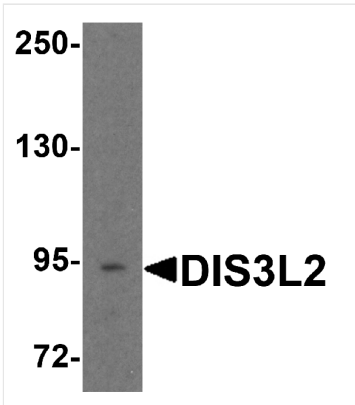
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DIS3L2 antibody is human, mouse and rat reactive. At least three isoforms of DIS3L2 are known to exist; this antibody will only detect the longest isoform. DIS3L2 is predicted to not cross-react with DIS3 or DIS3L.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	885
Applicable Applications for anti-DIS3L2 antibody	WB (Western Blot), ELISA
Immunogen	DIS3L2 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human DIS3L2
Buffer	Supplied in PBS containing 0.02% sodium azide.
Positive Control 1	3T3 Cell Lysate
Conjugate	Unconjugated
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of DIS3L2 in rat brain tissue with DIS3L2 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of DIS3L2 in 3T3 cell lysate with DIS3L2 antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-DIS3L2 antibody	The exosome is involved in a multitude of cellular RNA processing and degradation events (1). DIS3, also known as exosome complex exonuclease RRP44, is a ribonuclease that acts directly in the processing, turnover, and surveillance of a large number of distinct RNA species (2). DIS3L2 is a paralog of DIS3, but unlike DIS3 is located in the cytoplasm (3). DIS3L2 defines a novel eukaryotic RNA degradation pathway and preferentially targets uridylated RNA (4). DIS3L2 mutations have also been associated with sporadic Wilms tumors (3).
Product Categories/Family for anti-DIS3L2 antibody	Homeostasis
References	Chen CY, Gherzi R, Ong SE, et al. AU binding proteins recruit the exosome to degrade ARE-containing mRNAs. Cell 2001; 107:451-64. Brouwer R, Allmang C, Rajmakers R, et al. Three novel components of the human exosome. J. Biol. Chem. 2001; 276:6177-84. Astuti D, Morris MR, Cooper WN, et al. Germline mutations in DIS3L2 cause the Perlman syndrome of overgrowth and Wilms tumor susceptibility. Nat. Genet. 2012; 44:277-84. Malecki M, Viegas SC, Carneiro T, et al. The exonuclease Dis3L2 defines a novel eukaryotic RNA degradation pathway. EMBO J. 2013; 32:1842-54.

NCBI AND UNIPROT INFORMATION

NCBI GI #	134288890
NCBI GeneID	129563
NCBI Accession #	NP_689596
NCBI GenBank Nucleotide #	NM_152383.4
UniProt Accession #	Q8IYB7; Q53S79; Q580W6; Q5XKH0; Q69YG5; Q6AW99; Q7Z4T6; Q8N9K9
Molecular Weight	Predicted: 97 kDa Observed: 94 kDa
NCBI Official Full Name	DIS3-like exonuclease 2 isoform 1
NCBI Official Synonym Full Names	DIS3 like 3'-5' exoribonuclease 2
NCBI Official Symbol	DIS3L2
NCBI Official Synonym Symbols	FAM6A; PRLMNS; hDIS3L2
NCBI Protein Information	DIS3-like exonuclease 2
UniProt Protein Name	DIS3-like exonuclease 2
UniProt Gene Name	DIS3L2

UniProt Synonym Gene Names	hDIS3L2
UniProt Entry Name	DI3L2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dis3l2-antibody-western-blot-elisa/40820>