

Rabbit DDX41 Polyclonal Antibody | anti-DDX41 antibody

DDX41 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40674	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

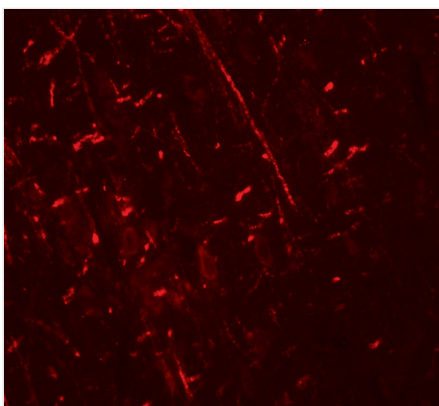
PRODUCT SYNONYMS

DDX41; Polyclonal Antibody; DDX41 Antibody; ABS; Probable ATP-dependent RNA helicase DDX41; DEAD box protein 41; DEAD (Asp-Glu-Ala-Asp) box polypeptide 41; anti-DDX41 antibody

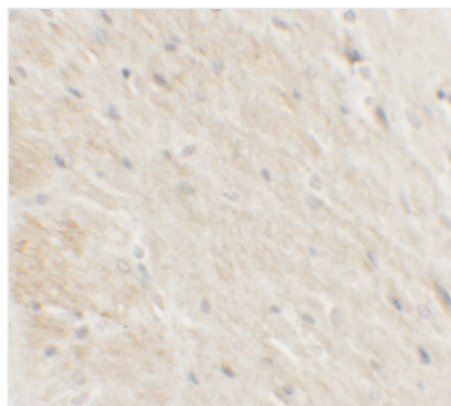
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of DDX41 are known to exist; this antibody will detect both isoforms.
Purity/Purification	DDX41 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	622
Applicable Applications for anti-DDX41 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	DDX41 antibody was raised against a 17 amino acid peptide near the amino terminus of human DDX41.
Buffer	DDX41 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	DDX41 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

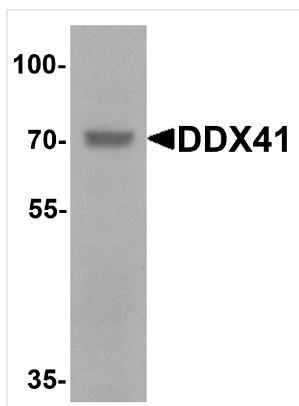
IMAGES


IF (Immunofluorescence)

Immunofluorescence of DDX41 in rat brain tissue with DDX41 antibody at 20 µg/ml.


IHC (Immunohistochemistry)

Immunohistochemistry of DDX41 in rat brain tissue with DDX41 antibody at 2.5 µg/ml.



WB (Western Blot)

Western blot analysis of DDX41 in rat brain tissue lysate with DDX41 antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-DDX41 antibody

DDX41 Antibody: DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp, are putative RNA helicases implicated in several cellular processes involving modifications of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. DDX41, also known as Abstrakt, interacts with and regulates the expression of sorting nexin-2 (SNX2), a protein involved in protein sorting in the trans-Golgi network. Recent evidence suggests that DDX41 also plays a role in the innate immune response by sensing intracellular viral DNA, triggering TBK1 and IRF3 activation, leading to a type I interferon immune response.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21071032
NCBI GeneID	51428
NCBI Accession #	NP_057306
NCBI GenBank Nucleotide #	NM_016222.2
UniProt Accession #	Q9UJV9 ; Q96BK6 ; Q96K05 ; Q9NT96 ; Q9NW04 ; B2RDC8
Molecular Weight	Predicted: 68 kDa Observed: 70 kDa
NCBI Official Full Name	probable ATP-dependent RNA helicase DDX41
NCBI Official Synonym Full Names	DEAD (Asp-Glu-Ala-Asp) box polypeptide 41
NCBI Official Symbol	DDX41
NCBI Official Synonym Symbols	ABS
NCBI Protein Information	probable ATP-dependent RNA helicase DDX41; 2900024F02Rik; DEAD box protein 41; putative RNA helicase; DEAD-box protein abstrakt; DEAD box protein abstrakt homolog
UniProt Protein Name	Probable ATP-dependent RNA helicase DDX41
UniProt Gene Name	DDX41
UniProt Synonym Gene Names	ABS
UniProt Entry Name	DDX41_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.

