

Datasheet for 600-401-AU5**DDX41 Antibody****Overview**

Description:	Anti-DDX41 (RABBIT) Antibody - 600-401-AU5
Item No.:	600-401-AU5
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	DDX41 Antibody, ABS, ABS, Probable ATP-dependent RNA helicase DDX41, DEAD box protein 41
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DDX41
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DDX41 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the N-terminus of human DDX41.

Purity/Specificity:	Anti-DDX41 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of DDX41 are known to exist; this antibody will detect both isoforms.
Relevant Links:	• UniProtKB - Q9UJV9 • GeneID - 51428 • NCBI - NP_057306

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DDX41 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 70 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	User Optimized
IHC:	User Optimized
WB:	1-2 µg/mL

Formulation

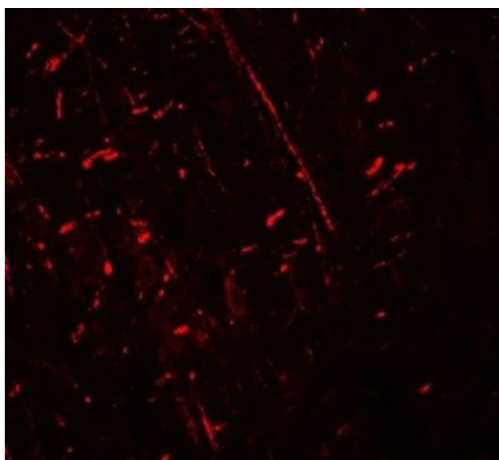
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

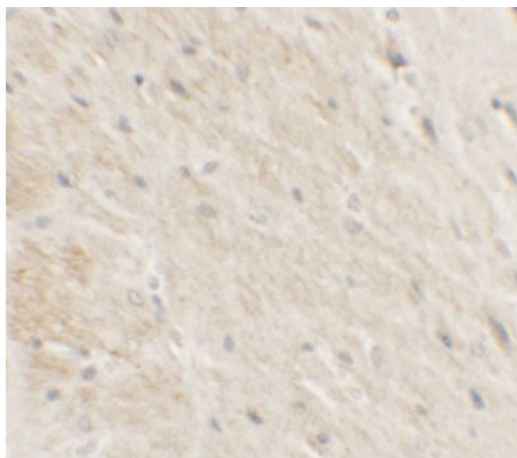
Expiration date is one (1) year from date of receipt.

Images**Immunofluorescence Microscopy**

Immunofluorescence of DDX41.

Tissue: rat brain tissue.

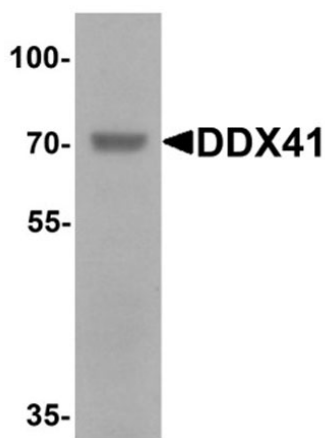
Primary Antibody: DDX41 antibody at 20 µg/mL.

**Immunohistochemistry**

Immunohistochemistry of DDX41.

Tissue: rat brain tissue.

Primary Antibody: DDX41 antibody at 2.5 µg/mL.

**Western Blot**

Western blot of DDX41.

Load: rat brain tissue lysate.

Primary Antibody: DDX41 antibody at 1 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.