

Datasheet: AHP3024

BATCH NUMBER 158412

Description:	GOAT ANTI DDX41
Specificity:	DDX41
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			5 ug/ml
Western Blotting	▪			0.5 ug/ml - 2 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species Human

Product Form Purified IgG - liquid

Antiserum Preparation Antisera to human DDX41 were raised by repeated immunizations of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Buffer Solution TRIS buffered saline

Preservative 0.02% Sodium Azide
Stabilisers 0.5% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen Peptide with sequence C-QEERTKAIEAFRE, from the internal region of the protein sequence according to NP_057306.2

**External Database
Links**

UniProt:

[Q9UJV9](#) [Related reagents](#)

Entrez Gene:

[51428](#) DDX41 [Related reagents](#)

Synonyms

ABS

Specificity

Goat anti DDX41 antibody recognizes probable ATP-dependent RNA helicase DDX41, also known as DEAD box protein 41 and ABS.

DDX41 is a helicase and a member of the DEAD-box family of proteins. It functions through the STING-TBK1-IRF3 pathway during innate immunity ([Jiang et al. 2017](#)) and is an important sensor of DNA viruses including HSV-1 and adenovirus, directly binding to DNA and STING via its DEADc domain ([Zhang et al. 2011](#)). DDX41 has been associated with hematological malignancies, with mutations in DDX41 identified in patients with myeloid neoplasms ([Peters et al. 2017](#)).

Western Blotting

Goat anti Human DDX41 antibody detects a band of approximately 85 kDa in cell lysates

Storage

Store at -20°C only.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10058 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP3024>
10058

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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'M390920:211007'

Printed on 25 Mar 2023