

Datasheet for ABIN951862
anti-DDX11 antibody (Middle Region)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	0.4 mL
Target:	DDX11
Binding Specificity:	AA 663-691, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX11 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 663-691 amino acids from the Central region of Human DDX11.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse DEAD box protein 11 (Center).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	DDX11
Alternative Name:	DDX11 (DDX11 Products)
Background:	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative

Target Details

RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX11 encodes a DEAD box protein, which is an enzyme that possesses both ATPase and DNA helicase activities. DDX11 is a homolog of the yeast CHL1 gene, and may function to maintain chromosome transmission fidelity and genome stability. Synonyms: CHL1, CHLR1, DEAD box protein 11, DEAD/H box protein 11, KRG-2, KRG2, Keratinocyte growth factor-regulated gene 2 protein, Probable ATP-dependent RNA helicase DDX11

Molecular Weight: 108313 Da

Gene ID: 1663

NCBI Accession: [NP_004390](#)

Pathways: [ER-Nucleus Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS, 0.09 % Sodium Azide

Preservative: Sodium azide

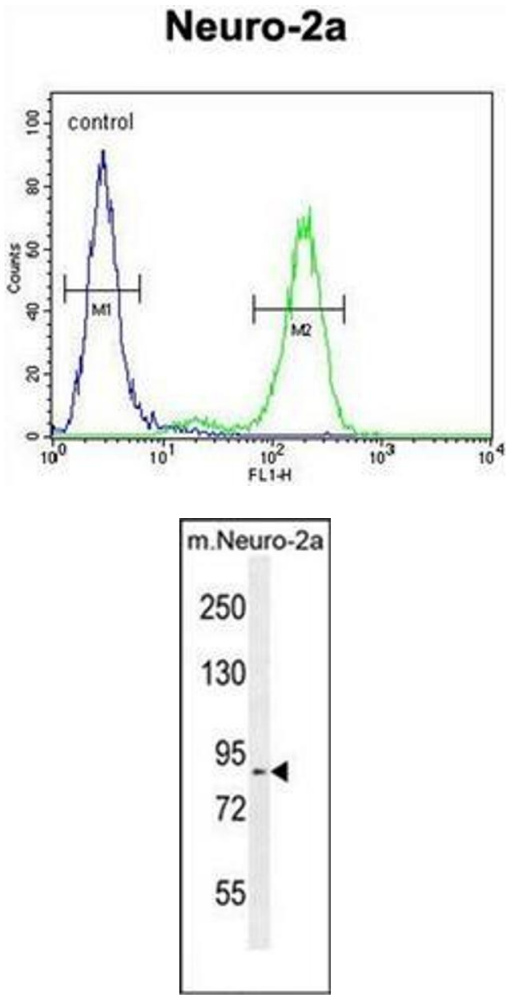
Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Product cited in: Farina, Shin, Kim, Bermudez, Kelman, Seo, Hurwitz: "Studies with the human cohesin establishment factor, ChlR1. Association of ChlR1 with Ctf18-RFC and Fen1." in: **The Journal of biological chemistry**, Vol. 283, Issue 30, pp. 20925-36, (2008) ([PubMed](#)).



Flow Cytometry

Image 1. Flow cytometric analysis of Neuro-2a cells using DDX11 Antibody (Center) Cat.-No AP51215PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of DDX11 Antibody (Center) in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the DDX11 antibody detected the DDX11 protein (arrow).