


Anti-DDX6 antibody **ab70455**

★★★★☆ **3 Abreviews** **2 References** **3 Images**

Overview

Product name	Anti-DDX6 antibody
Description	Rabbit polyclonal to DDX6
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide corresponding to a sequence between N terminal residues 1 to 50 of human DDX6 (Swiss-Prot P26196).
Positive control	Whole cell lysate from HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab70455 was affinity purified using an epitope specific to DDX6 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70455 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB	★★★★★ (2)	1/5000 - 1/15000. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa).
IP		Use at 2-5 µg/mg of lysate.

Target

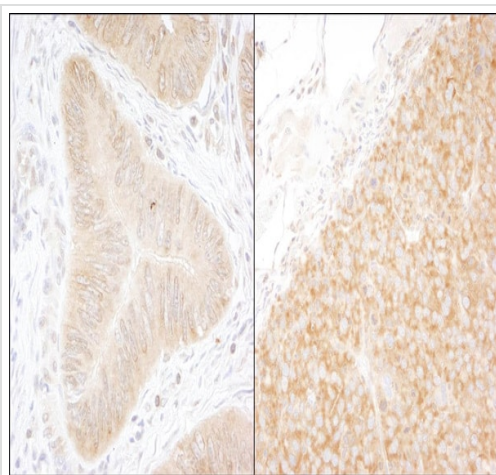
Relevance

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative 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. In the process of mRNA degradation, DDX6 may play a role in mRNA decapping. It forms a complex with DCP1A, DCP2, EDC3 and EDC4/HEDLS.

Cellular localization

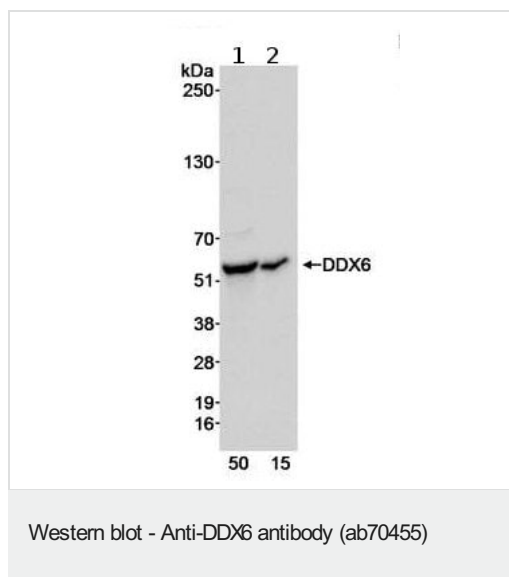
Cytoplasm; P-body. Note: Processing bodies (PB).

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon carcinoma (left) and mouse renal cell carcinoma (right) tissues labelling DDX6 with ab70455 at 1/200 (1 µg/ml). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX6 antibody (ab70455)



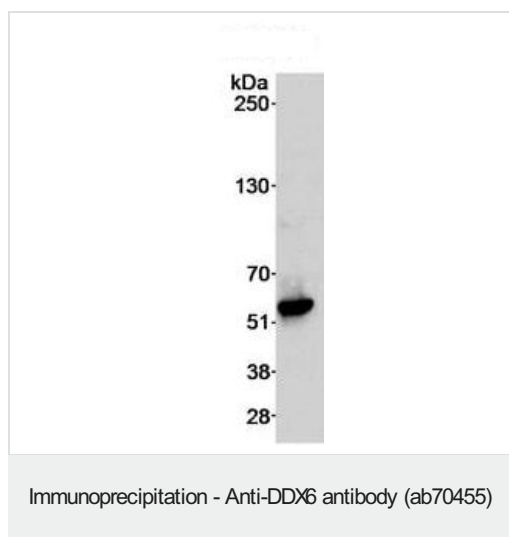
All lanes : Anti-DDX6 antibody (ab70455) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Predicted band size: 54 kDa

Observed band size: 54 kDa



250µg HeLa whole cell lysate treated with ab70455 at 0.04 µg/ml for the Western blot, and at 3 µg/mg lysate for Immunoprecipitation.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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