

Product datasheet

Anti-DDX39 antibody [EPR13508] ab180857

Recombinant RabMAb

★★★★★ 1 Abreviews 1 References 5 Images

Overview

Product name	Anti-DDX39 antibody [EPR13508]
Description	Rabbit monoclonal [EPR13508] to DDX39
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt, IHC-P, WB Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human DDX39 aa 350 to the C-terminus (C terminal) (Cysteine residue). The exact sequence is proprietary. Database link: O00148
Positive control	Jurkat, A431, HeLa, HepG2, and Human seminoma lysates. Human breast and colon tissue. Permabilized Jurkat cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p>

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR13508
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab180857** 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
Flow Cyt		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★	1/5000 - 1/1000. Predicted molecular weight: 49 kDa.

Application notes Is unsuitable for ICC/IF or IP.

Target

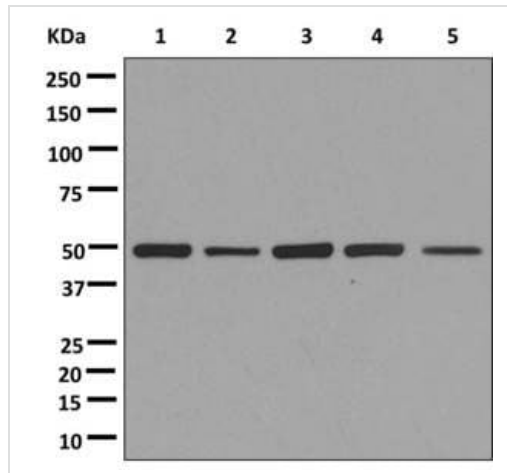
Relevance DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and

cellular growth and division. DDX39 encodes a member of this family. The function of this member has not been determined. Alternative splicing of this gene generates 2 transcript variants encoding different isoforms.

Cellular localization

Cytoplasmic and Nuclear

Images



Western blot - Anti-DDX39 antibody [EPR13508] (ab180857)

All lanes : Anti-DDX39 antibody [EPR13508] (ab180857) at 1/5000 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : A431 cell lysate

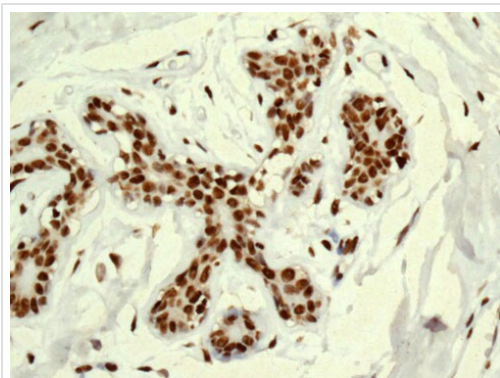
Lane 3 : HeLa cell lysate

Lane 4 : HepG2 cell lysate

Lane 5 : Human seminoma lysate

Lysates/proteins at 10 µg per lane.

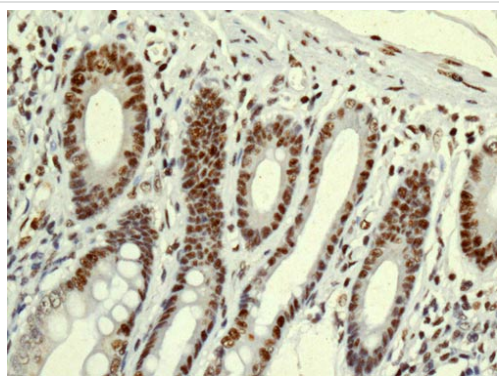
Predicted band size: 49 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX39 antibody [EPR13508] (ab180857)

Immunohistochemical analysis of Human breast tissue, staining DDX39 with ab180857 at 1/100 dilution.

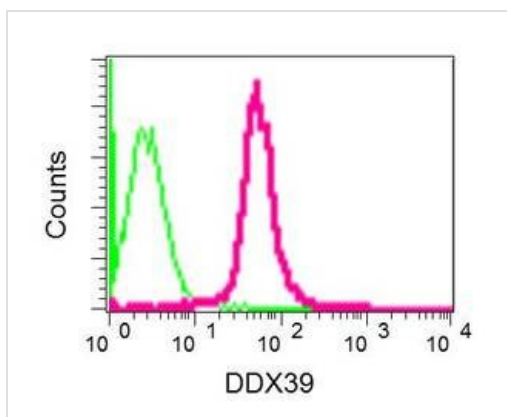
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemical analysis of Human colon tissue, staining DDX39 with ab180857 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX39 antibody [EPR13508] (ab180857)



Flow cytometry analysis of DDX39 expression in permeabilized Jurkat cells using ab180857 at 1/10 dilution (red) and a rabbit IgG as negative control (green).

Flow Cytometry - Anti-DDX39 antibody [EPR13508] (ab180857)

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-DDX39 antibody [EPR13508] (ab180857)

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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