

Anti-NDUFAF4 antibody [EPR15931] ab191414

Recombinant RabMAb

5 Images

Overview

Product name	Anti-NDUFAF4 antibody [EPR15931]
Description	Rabbit monoclonal [EPR15931] to NDUFAF4
Host species	Rabbit
Tested applications	Suitable for: WB, IP, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	T47D, Raji, K562, MCF7 and MDA-MB-435 cell lysates; HeLa 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>

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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15931
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab191414 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
WB		1/1000 - 1/10000. Predicted molecular weight: 20 kDa.
IP		1/90.
ICC/IF		1/150.

Target

Function

Involved in the assembly of mitochondrial NADH:ubiquinone oxidoreductase complex (complex I). May be involved in cell proliferation and survival of hormone-dependent tumor cells. May be a regulator of breast tumor cell invasion.

Involvement in disease

Mitochondrial complex I deficiency

Sequence similarities

Belongs to the NDUFAF4 family.

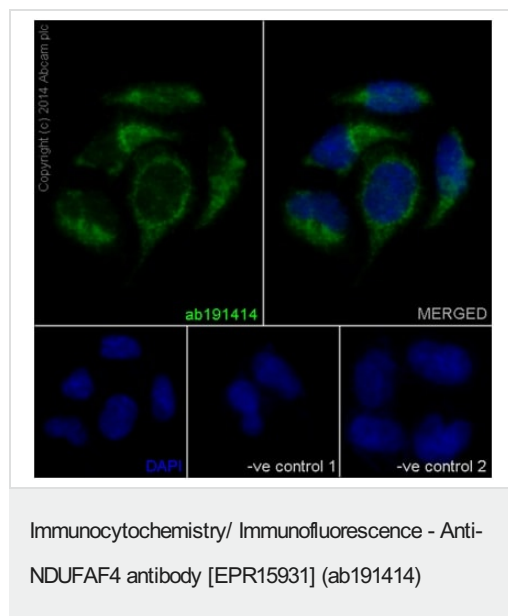
Post-translational modifications

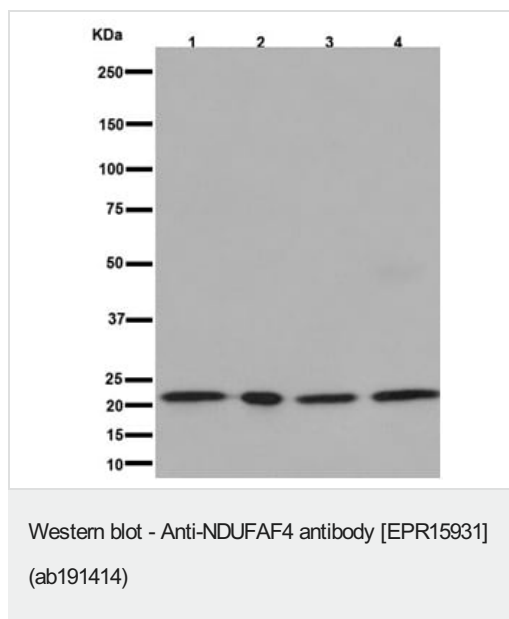
Phosphorylated on serine. Prolactin stimulate serine phosphorylation.

Cellular localization

Mitochondrion. Membrane.

Images





All lanes : Anti-NDUFAF4 antibody [EPR15931] (ab191414) at 1/10000 dilution

Lane 1 : T47-D cell lysate

Lane 2 : Raji cell lysate

Lane 3 : K562 cell lysate

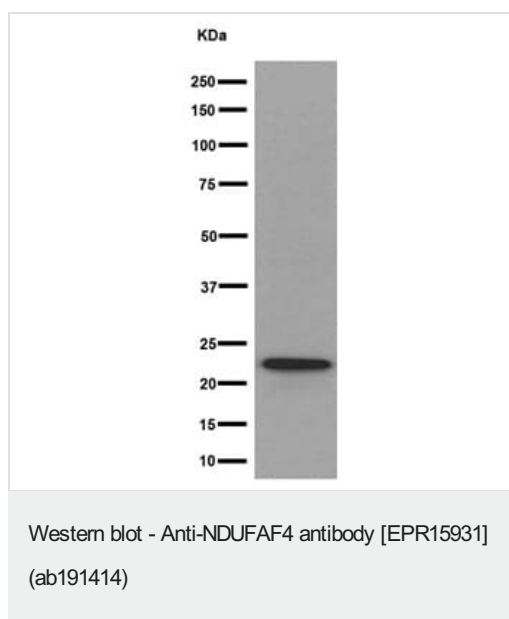
Lane 4 : MDA-MB-435 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 20 kDa

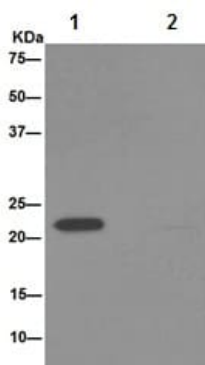


Anti-NDUFAF4 antibody [EPR15931] (ab191414) at 1/1000 dilution + MCF7 cell lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

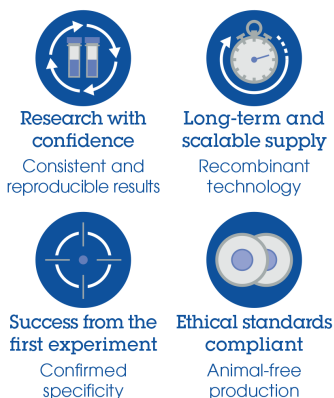
Predicted band size: 20 kDa



Immunoprecipitation analysis of MDA-MB-435 cell lysate labeling NDUFAF4 using ab191414 at 1/90 dilution (Lane 1). An Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 was used as secondary antibody. Lane 2: PBS instead of MDA-MB-435 cell lysate.

Immunoprecipitation - Anti-NDUFAF4 antibody
[EPR15931] (ab191414)

Why choose a recombinant antibody?



Anti-NDUFAF4 antibody [EPR15931] (ab191414)

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

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