

# Product Datasheet

## Fumarase Antibody - BSA Free NBP1-31336

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP1-31336**

Fumarase Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	55 kDa

**Product Description**

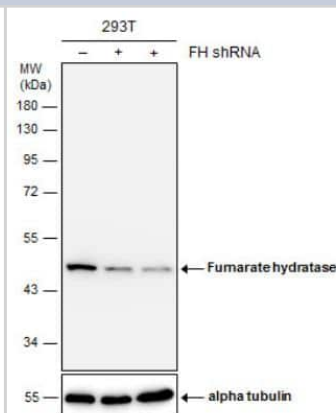
<b>Description</b>	Novus Biologicals Rabbit Fumarase Antibody - BSA Free (NBP1-31336) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Fumarase Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2271
<b>Gene Symbol</b>	FH
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Fumarase. The exact sequence is proprietary.

**Product Application Details**

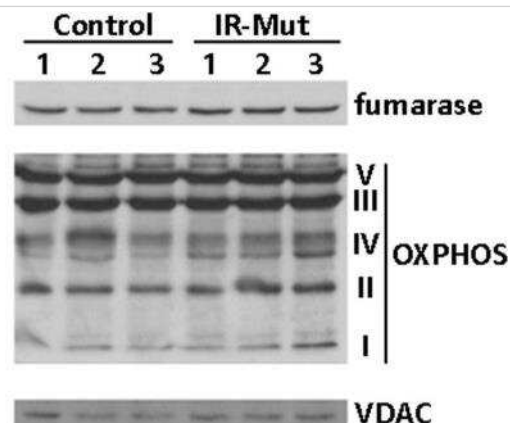
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Knockdown Validated

**Images**

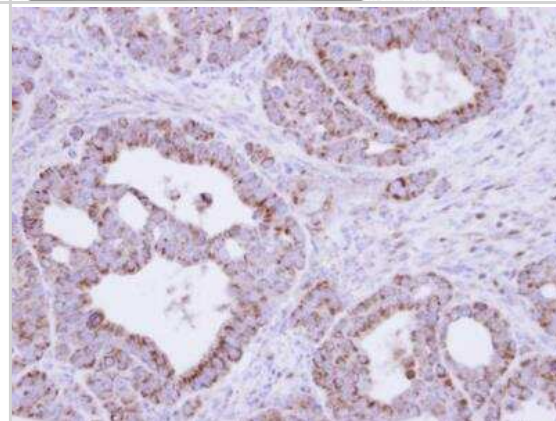
Western Blot: Fumarase Antibody [NBP1-31336] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Fumarate hydratase antibody. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



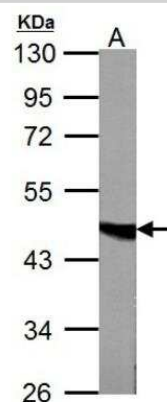
Western Blot: Fumarase Antibody [NBP1-31336] - Representative western blots showing protein expression of fumarase and key enzymes in OXPHOS. VDAC was used as a loading control (n = 3). Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/srep22788>) licensed under a CC-BY license.



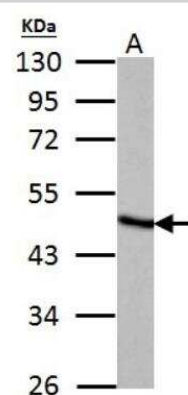
Immunohistochemistry-Paraffin: Fumarase Antibody [NBP1-31336] - Analysis of paraffin-embedded NCIN87 xenograft, using fumarate hydratase antibody at 1:500 dilution.



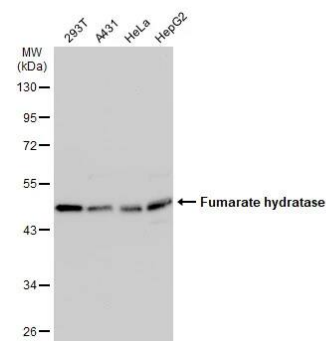
Western Blot: Fumarase Antibody [NBP1-31336] - A. 50 ug mouse liver lysate/extract 7.5% SDS-PAGE Fumarate hydratase antibody dilution: 1:1000 The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



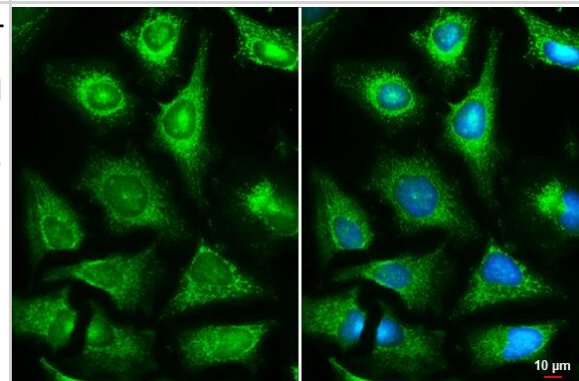
Western Blot: Fumarase Antibody [NBP1-31336] - A. 50 ug rat liver lysate/extract 10% SDS-PAGE Fumarate hydratase antibody dilution: 1:5000 The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



**Western Blot: Fumarase Antibody [NBP1-31336]** - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Fumarase antibody (NBP1-31336) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



**Immunocytochemistry/ Immunofluorescence: Fumarase Antibody [NBP1-31336]** - Fumarase antibody detects Fumarase protein at mitochondria by immunofluorescent analysis. Sample: HeLa cells were fixed in ice-cold MeOH for 5 min. Green: Fumarase stained by Fumarase antibody (NBP1-31336) diluted at 1:500. Blue: Fluoroshield with DAPI. Scale bar= 10  $\mu$ m.



## Publications

Burkart AM, Tan K, Warren L et al. Insulin Resistance in Human iPS Cells Reduces Mitochondrial Size and Function. Sci Rep. 2016-03-07 [PMID: 26948272] (WB, Human)



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### **Products Related to NBP1-31336**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBC1-18871	Recombinant Human Fumarase Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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