

# Product Datasheet

## Optineurin Antibody (S01-2C5)

### NBP3-19900-100ul

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-19900-100ul**

Optineurin Antibody (S01-2C5)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	0.3 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	S01-2C5
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% BSA
<b>Target Molecular Weight</b>	75 kDa

**Product Description**

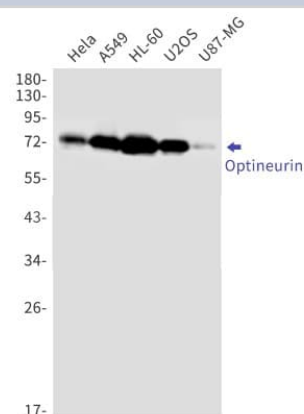
<b>Host</b>	Rabbit
<b>Gene Symbol</b>	OPTN
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant protein of human Optineurin (Uniprot # Q96CV9)

**Product Application Details**

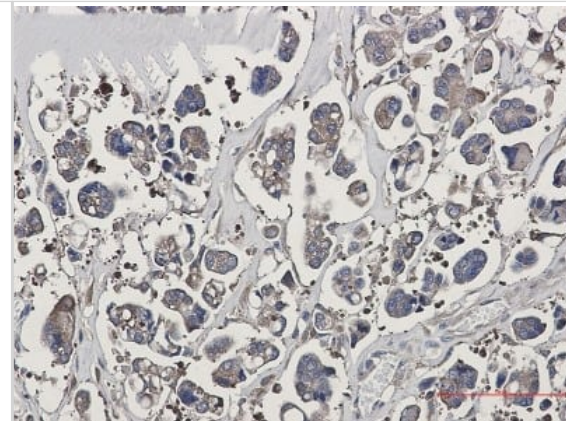
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence Validated for Immunocytochemistry/Immunofluorescence from YCharOS Inc. (ycharos.com)., Immunohistochemistry-Paraffin, Knockout Validated Validated for Knockout from YCharOS Inc. (ycharos.com).

**Images**

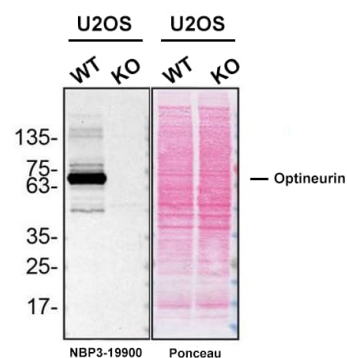
Western Blot: Optineurin Antibody (S01-2C5) [NBP3-19900] - Western blot detection of Optineurin in Hela, A549, HL-60, U2OS, U87-MG cell lysates using NBP3-19900 (1:1000 diluted). Predicted band size: 66kDa. Observed band size: 75kDa.



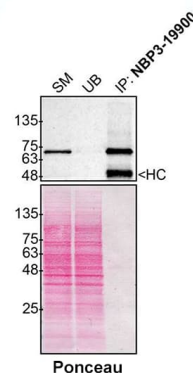
Immunohistochemistry-Paraffin: Optineurin Antibody (S01-2C5) [NBP3-19900] - Immunohistochemistry of Optineurin in paraffin-embedded Human Cholangiocarcinoma using NBP3-19900 at dilution 1/50



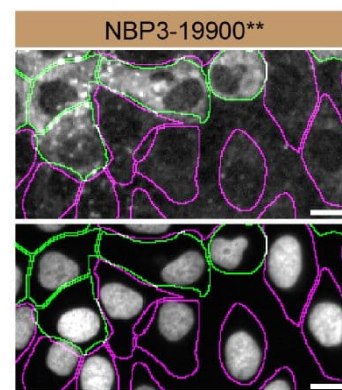
Western blot shows lysates of U2OS and Optineurin knockout U2OS cell line (KO). Nitrocellulose membrane was probed with Optineurin Antibody (Catalog # NBP3-19900) O/N at 4C, followed by HRP-conjugated Secondary Antibody and ECL detection. A specific band was detected for Optineurin (as indicated) in the parental U2OS cell line, but is not detectable in knockout U2OS cell line. Primary antibody dilution used: 1/1000. The Ponceau stained transfers of each blot are shown. Image, protocol and testing courtesy of YCharOS Inc. (ycharos.com).



U2OS lysates were prepared, and immunoprecipitation was performed using 2.0 ug of Optineurin antibody (Catalog # NBP3-19900) pre-coupled to Dynabeads protein A. Samples were washed and processed for Western Blot with Optineurin antibody. For Western Blot, Rb x Optineurin was used at 1/1000. The Ponceau stained transfers of each blot are shown. SM=4% starting material; UB=4% unbound fraction; IP=immunoprecipitate. Image, protocol and testing courtesy of YCharOS Inc. (ycharos.com).



U2OS WT and Optineurin KO cells were labelled with a green or a far-red fluorescent dye, respectively. Cells were stained with Optineurin antibody and with the corresponding Alexa-fluor 555 coupled secondary antibody including DAPI. Acquisition of the blue (nucleus-DAPI), green (identification of WT cells), red (antibody staining) and far-red (identification of KO cells) channels was performed. Representative images of the blue and red (grayscale) channels are shown. WT and KO cells are outlined with green and magenta dashed line, respectively. Antibody dilution used: 1/300. Bars = 10um. Image, protocol and testing courtesy of YCharOS Inc. (ycharos.com).





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### **Products Related to NBP3-19900-100ul**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00010133-P02-2ug	Recombinant Human Optineurin GST (N-Term) Protein

### **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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