

Product Datasheet

OLLAS Epitope Tag Antibody (L2) NBP1-06713SS

Unit Size: 0.025 ml

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

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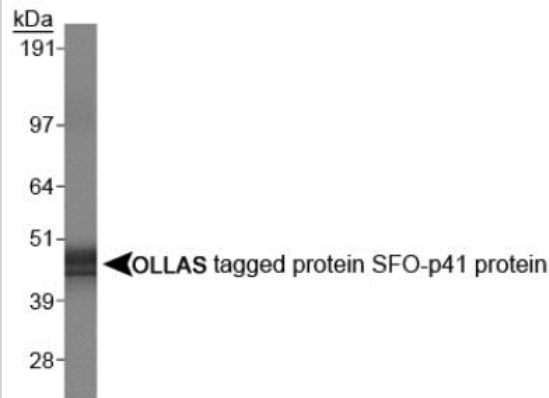


NBP1-06713SS**OLLAS Epitope Tag Antibody (L2)**

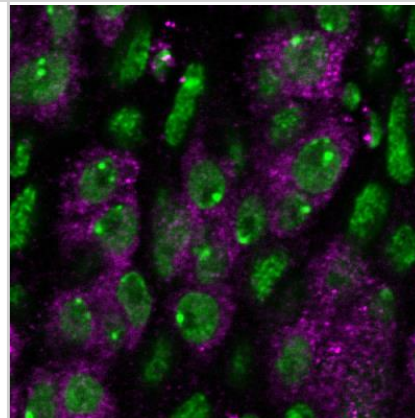
Product Information	
Unit Size	0.025 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	L2
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Rat
Species	Non-species specific
Reactivity Notes	Tag specific
Immunogen	OLLAS (SGFANELGPRLMGK)-tagged extracellular domain of mouse Langerin
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry 1:100, Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Frozen 1:100
Application Notes	This OLLAS Epitope Tag (L2) antibody is useful for Immunocytochemistry/Immunofluorescence, Immunohistochemistry on frozen sections, Immunoprecipitation and Western Blot.

Images

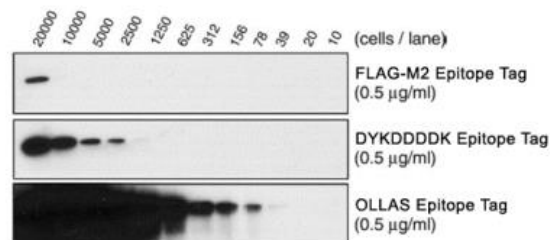
Western Blot: OLLAS Epitope Tag Antibody (L2) [NBP1-06713] - Western Blot on OLLAS tagged SFO-p41 protein.



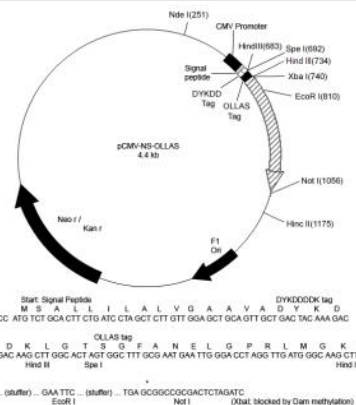
Immunohistochemistry Whole-Mount: OLLAS Epitope Tag Antibody (L2) [NBP1-06713] - Drosophila adult midgut expressing an OLLAS-tagged protein stained with OLLAS Epitope Tag Antibody (magenta). Nuclei are shown in green. Image from verified customer review.



Western Blot: OLLAS Epitope Tag Antibody (L2) [NBP1-06713] - comparison of binding sensitivity of Novus Biologicals' monoclonal antibodies to OLLAS (NBP1-06713), DYKDDDDK (NBP1-06712) and the FLAG-M2 monoclonal antibody from Sigma-Aldrich. FLAG TM and ANTI-FLAG TM are registered trademarks of Sigma-Aldrich Biotechnology LP and Sigma-Aldrich Co.



OLLAS Epitope Tag Antibody (L2) [NBP1-06713] - Vector Map of pCMV-SD OLLAS



Publications

Paix A, Folkmann A, Seydoux G. Precision genome editing using CRISPR-Cas9 and linear repair templates in *C. elegans*. *Methods*. Apr 7 2017 12:00AM [PMID: 28392263] (ICC/IF, WB, *C. elegans*)

Smith J, Calidas D, Schmidt H et al. Spatial patterning of P granules by RNA-induced phase separation of the intrinsically-disordered protein MEG-3 *Elife* Dec 3 2016 12:00AM [PMID: 27914198] (WB)

Couso I, Evans B, Li J et al. Synergism between inositol polyphosphates and TOR kinase signaling in nutrient sensing, growth control and lipid metabolism in *Chlamydomonas*. *Plant Cell* Sep 6 2016 12:00AM [PMID: 27600537] (IB)

Monaghan RM, Barnes RG, Fisher K et al. A nuclear role for the respiratory enzyme CLK-1 in regulating mitochondrial stress responses and longevity. *Nat. Cell Biol.* 2015 Jun 01 [PMID: 25961505] (WB, Human)

Jerlstrom-Hultqvist J, Einarsson E, Xu F et al. Hydrogenosomes in the diplomonad *Spirionucleus salmonicida*. *Nat Commun.* 2013 [PMID: 24042146] (WB)

Beckett K, Monier S, Palmer L et al. *Drosophila* S2 Cells Secrete Wingless on Exosome-Like Vesicles but the Wingless Gradient Forms Independently of Exosomes Traffic 2012 Oct 5 [PMID: 23035643] (*Drosophila*)

Jerlstrom-Hultqvist J, Einarsson E, Svard SG. Stable transfection of the diplomonad parasite *Spirionucleus salmonicida* *Eukaryot Cell* 2012 Sep 14 [PMID: 22983987] (ICC/IF, Parasite)

Idoyaga, J et al. Cutting edge: langerin/CD207 receptor on dendritic cells mediates efficient antigen presentation on MHC I and II products in vivo. *J Immunol*;180(6):3647-50. 2008 Mar 15. [PMID: 18322168] (WB, Mouse)

Park, SH et al. Generation and application of new rat monoclonal antibodies against synthetic FLAG and OLLAS tags for improved immunodetection. *J Immunol Methods*;331(1-2):27-38. 2008 Feb 29. [PMID: 18054954] (WB, ICC/IF, Human, Chinese Hamster, Mouse)



Procedures**Western Blot Protocol for OLLAS Epitope Tag Antibody (NBP1-06713)**

Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 5 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Rinse membrane with dH₂O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% NFDM + 1% BSA in TBS + Tween, 1 hour at RT.
6. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
7. Dilute the primary antibody (NBP1-06713) in blocking buffer and incubate 1 hour at room temperature.
8. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
9. Dilute the appropriate secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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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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