

Product Datasheet

VDP p115 Antibody NB100-74483

Unit Size: 100uL

Store at -20C. Avoid freeze-thaw cycles.

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NB100-74483

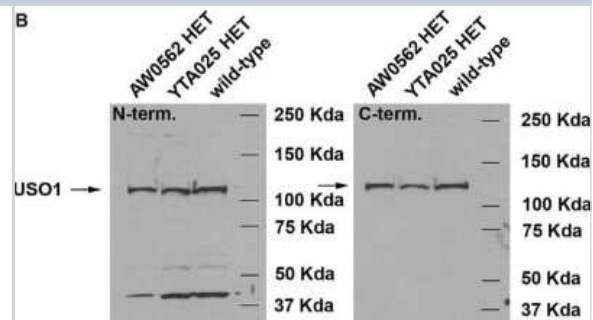
VDP p115 Antibody

Product Information	
Unit Size	100uL
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS with 1 mg/ml BSA
Product Description	
Host	Rabbit
Gene ID	8615
Gene Symbol	USO1
Species	Human, Mouse, Rat
Specificity/Sensitivity	Rat VDP p115. The sequence is conserved across many species including mouse and human.
Immunogen	Synthetic peptide corresponding to residues M(1) N F L R G V M G G Q S A G P Q H(17) of rat p115.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500, Flow Cytometry 3 - 5 ug/10 ⁶ cells, Immunocytochemistry/ Immunofluorescence 2 - 3 ug/mL
Application Notes	Useful in WB. WB: Detects an approx. 115 kDa protein representing p115 in rat and mouse liver samples.



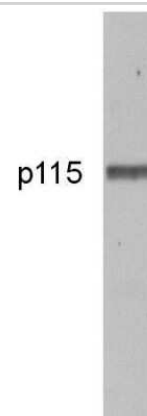
Images

Western Blot: VDP p115 Antibody [NB100-74483] - The *Uso1* gene trap allele does not produce a functional polypeptide. Immunoblots of SDS-PAGE separated cell lysate extracted from wild-type, HET AW0562 GT and HET YTA025 GT fibroblasts. Left panel: an anti-USO1 antibody whose epitope is amino-terminal (N-term.) to the site of the USO1-Beta-Geo fusion detects full-length USO1 protein (arrow) in all lysates. No unique band representing a USO1-Beta-Geo fusion protein is observed in either heterozygous GT fibroblast lysate, although smaller bands of indeterminate origin are detected in wild-type and GT lysates. Right panel: an anti-USO1 antibody whose epitope is carboxyl-terminal (C-term.) to the site of the USO1-Beta-Geo fusion detects full length USO1 protein (arrow) in all lysates. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0050530>) licensed under a CC-BY license.

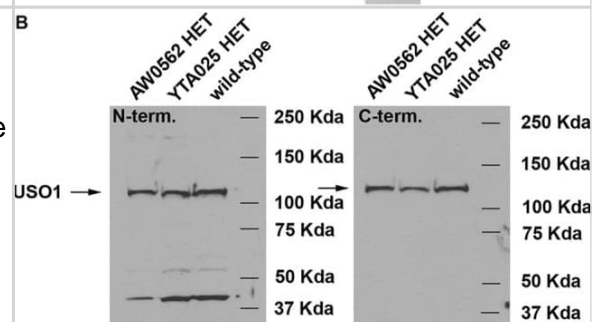


Western Blot: VDP p115 Antibody [NB100-74483] - Analysis of rat liver.

Fig. 1



The *Uso1* gene trap allele does not produce a functional polypeptide. B) Immunoblots of SDS-PAGE separated cell lysate extracted from wild-type, HET AW0562 GT and HET YTA025 GT fibroblasts. Left panel: an anti-USO1 antibody whose epitope is amino-terminal (N-term.) to the site of the USO1-Beta-Geo fusion detects full-length USO1 protein (arrow) in all lysates. No unique band representing a USO1-Beta-Geo fusion protein is observed in either heterozygous GT fibroblast lysate, although smaller bands of indeterminate origin are detected in wild-type and GT lysates. Right panel: an anti-USO1 antibody whose epitope is carboxyl-terminal (C-term.) to the site of the USO1-Beta-Geo fusion detects full length USO1 protein (arrow) in all lysates. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0050530>), licensed under a CC-BY licence.



Publications

Kim S, Hill A, Warman ML, Smits P. Golgi Disruption and Early Embryonic Lethality in Mice Lacking USO1 PLoS One 2012-01-01 [PMID: 23185636] (WB, Mouse)



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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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