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US01 / p115 Antibody (clone 3F4)

Mouse Monoclonal Antibody
Catalog # ALS14419

Specification

US01 / p115 Antibody (clone 3F4) - Product Information

Application	**WB, IHC**
Primary Accession	O60763
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**108kDa KDa**

US01 / p115 Antibody (clone 3F4) - Additional Information

Gene ID 8615

Other Names
General vesicular transport factor p115, Protein USO1 homolog, Transcytosis-associated protein, TAP, Vesicle-docking protein, USO1, VDP

Target/Specificity
Human USO1

Reconstitution & Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
US01 / p115 Antibody (clone 3F4) is for research use only and not for use in diagnostic or therapeutic procedures.

US01 / p115 Antibody (clone 3F4) - Protein Information

Name USO1

Synonyms VDP

Function
General vesicular transport factor required for intercisternal transport in the Golgi stack; it is required for transcytotic fusion and/or subsequent binding of the vesicles to the target membrane. May well act as a vesicular anchor by interacting with the target membrane and holding the vesicular and target membranes in proximity.

Cellular Location
Cytoplasm, cytosol. Golgi apparatus membrane; Peripheral membrane protein. Note=Recycles between the cytosol and the Golgi apparatus during interphase. During interphase, the phosphorylated form is found exclusively in cytosol; the unphosphorylated form is associated with Golgi apparatus membranes

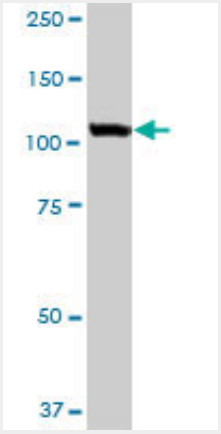
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US01 / p115 Antibody (clone 3F4) - Protocols

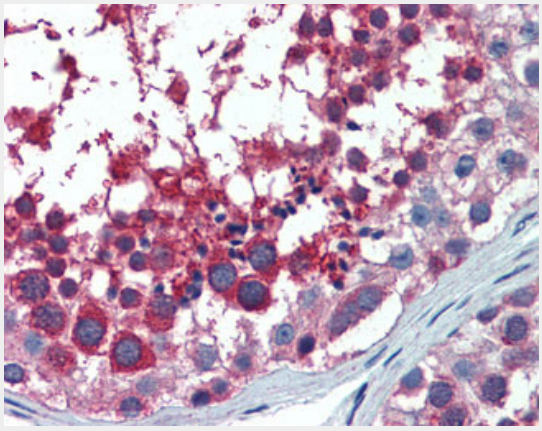
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

US01 / p115 Antibody (clone 3F4) - Images

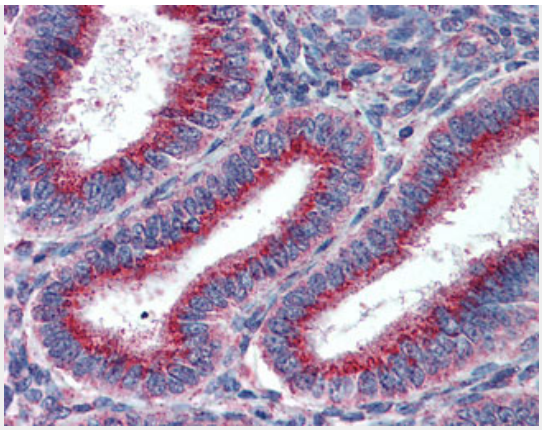


Antibody ALS14419. Western blot of USO1 expression in HeLa.



Anti-USO1 / p115 antibody IHC of human testis.

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Anti-USO1 / p115 antibody IHC of human uterus.

US01 / p115 Antibody (clone 3F4) - Background

General vesicular transport factor required for intercisternal transport in the Golgi stack; it is required for transcytotic fusion and/or subsequent binding of the vesicles to the target membrane. May well act as a vesicular anchor by interacting with the target membrane and holding the vesicular and target membranes in proximity (By similarity).

US01 / p115 Antibody (clone 3F4) - References

Sohda M.,et al.J. Biol. Chem. 273:5385-5388(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Hillier L.W.,et al.Nature 434:724-731(2005).
Olsen J.V.,et al.Cell 127:635-648(2006).