

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 US01 homolog, Transcytosis-associated protein, TAP, Vesicle-docking protein, US01, VDP

Target/Specificity

Human US01

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** US01**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.

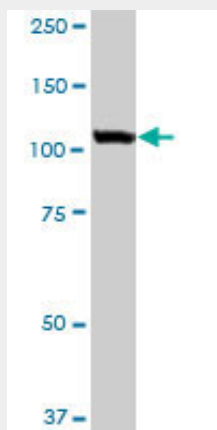
Cellular Location

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

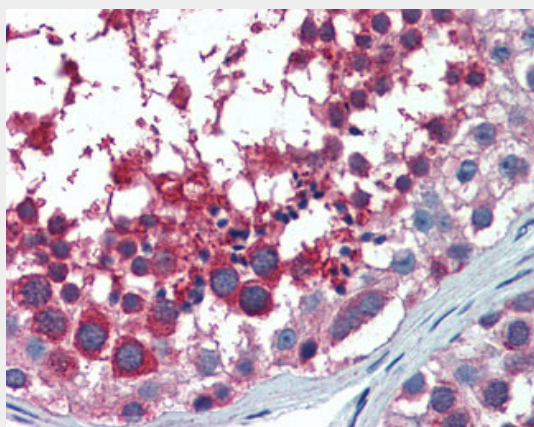
USO1 / p115 Antibody (clone 3F4) - Protocols

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

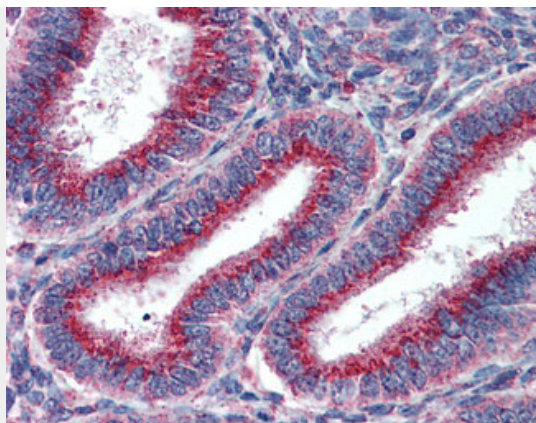
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

USO1 / p115 Antibody (clone 3F4) - Images

Antibody ALS14419. Western blot of USO1 expression in HeLa.



Anti-USO1 / p115 antibody IHC of human testis.



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).