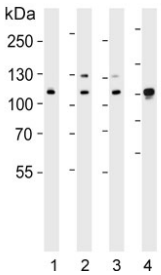
Exportin 2 Antibody / CSE1L (F54382)

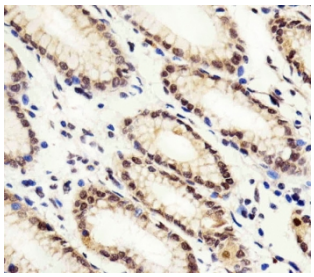
Catalog No.	Formulation	Size
F54382-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54382-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

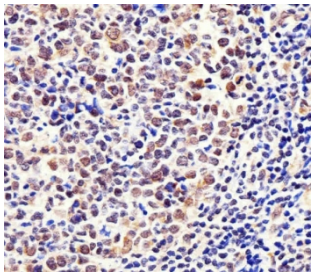
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	SAS precipitation
UniProt	P55060
Localization	Nuclear, cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1:25 Immunofluorescence : 1:25 Western Blot : 1:500-1:2000
Limitations	This Exportin 2 antibody is available for research use only.



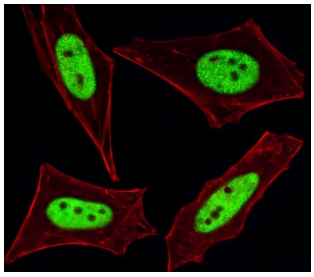
Western blot testing of human 1) HeLa, 2) Jurkat, 3) Ramos and 4) mouse NIH 3T3 cell lysate with Exportin 2 antibody. Predicted molecular weight ~110 kDa.



IHC testing of FFPE human stomach tissue with Exportin 2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human tonsil tissue with Exportin 2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HeLa cells with Exportin 2 antibody (green) and anti-Actin (red).

Description

Proteins that carry a nuclear localization signal (NLS) are transported into the nucleus by the importin-alpha/beta heterodimer. Importin-alpha binds the NLS, while importin-beta mediates translocation through the nuclear pore complex. After translocation, RanGTP binds importin-beta and displaces importin-alpha. Importin-alpha must then be returned to the cytoplasm, leaving the NLS protein behind. CSE1L binds strongly to NLS-free importin-alpha, and this binding is released in the cytoplasm by the combined action of RANBP1 and RANGAP1. In addition, CSE1L may play a role both in apoptosis and in cell proliferation.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Exportin 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 55-84 from the human protein was used as the immunogen for the Exportin 2 antibody.

Storage

Aliquot the Exportin 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.