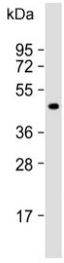
LYVE1 Antibody / XLKD1 (F54384)

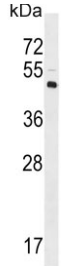
Catalog No.	Formulation	Size
F54384-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54384-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

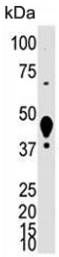
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	SAS precipitation
UniProt	Q9Y5Y7
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25
Limitations	This LYVE1 antibody is available for research use only.



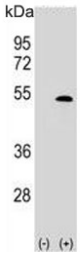
Western blot testing of human liver lysate with LYVE1 antibody. Expected molecular weight: 35-65 kDa depending on glycosylation level.



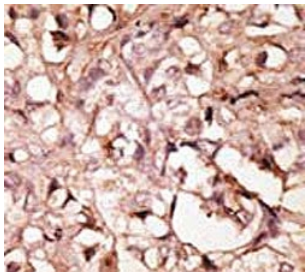
Western blot testing of human Y79 cell lysate with LYVE1 antibody. Expected molecular weight: 35-65 kDa depending on glycosylation level.



Western blot testing of mouse liver lysate with LYVE1 antibody. Expected molecular weight: 35-65 kDa depending on glycosylation level.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with LYVE1 antibody.



IHC testing of FFPE human breast cancer tissue with LYVE1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

One of the key groups of molecules regulating leukocyte and tumour cell migration is the glycosaminoglycan hyaluronan (HA). In inflammation, the exit of leukocytes across vascular endothelium to the underlying tissues involves interactions with cell surface lectin-like receptors on the leukocytes that bind HA on the lumenal surface of the endothelium. During normal tissue homeostasis and after tissue injury, HA is mobilized from these sites through lymphatic vessels to the lymph nodes where it is degraded before entering the circulation for rapid uptake by the liver. Lymphatic vessel endothelial hyaluronan receptor (LYVE)-1 is a major receptor for HA on the lymph vessel wall. LYVE-1 is expressed primarily on lymphatic vessel endothelium and is likely to be involved in regulating the traffic of leucocytes and tumour cells to lymph nodes.

Application Notes

The stated application concentrations are suggested starting points. Titration of the LYVE1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 46-77 from the human protein was used as the immunogen for the LYVE1 antibody.

Storage

Aliquot the LYVE1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.