

RTN4 | Validation File

TARGET RTN4 (Reticulon 4)

CLONE NAME LIG198B

DESCRIPTION mouse monoclonal

ANTIGEN USED HDLM2 Hodking lymphoma cell line

ISOTYPE IgG3

SPECIES REACTIVITY human

LOCALIZATION endoplasmic reticulum membrane

POSITIVE CONTROL human tonsil

STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide

STORAGE Aliquot and store at 4C. Do not freeze



Recommended



Inconclusive



Not Recommended



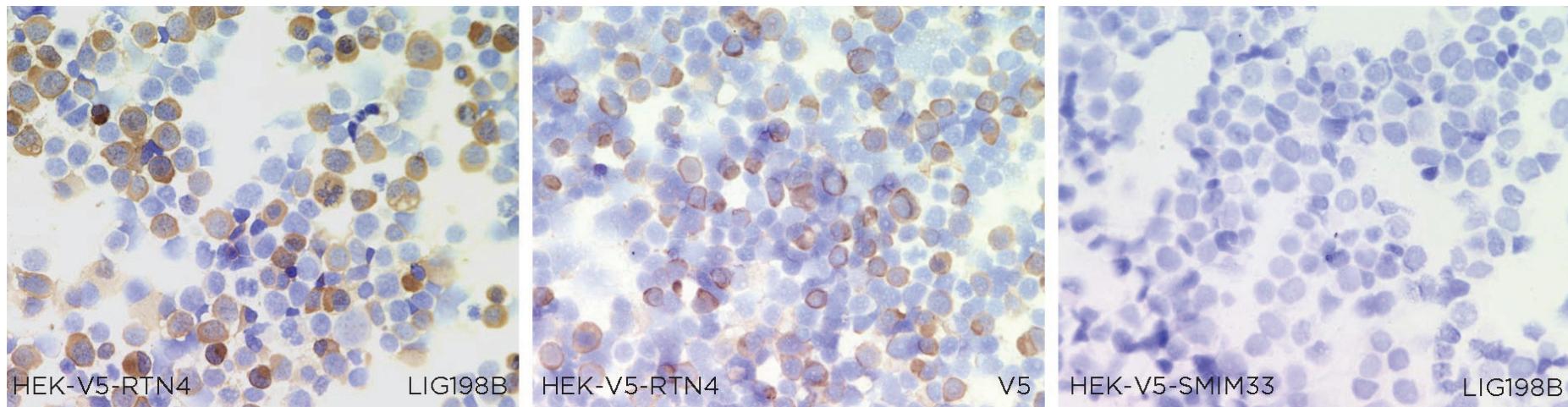
Not Tested

APPLICATIONS

ICC | *Immunocytochemistry*

LIG198B is able to detect human RTN4 protein in immunocytochemistry

To confirm that LIG198B mAb recognizes human RTN4 protein, immunocytochemistry on frozen cytocentrifuge preparations of V5-tagged RTN4 isoform2 expressed in HEK293T was performed. Anti-V5 was used as a positive control.



| WB | ***Western Blotting***

LIG198B mAb is able to detect human RTN4 protein by WB.

DILUTION neat supernatant

Predicted molecular weight: the antibody could potentially recognize all isoforms.

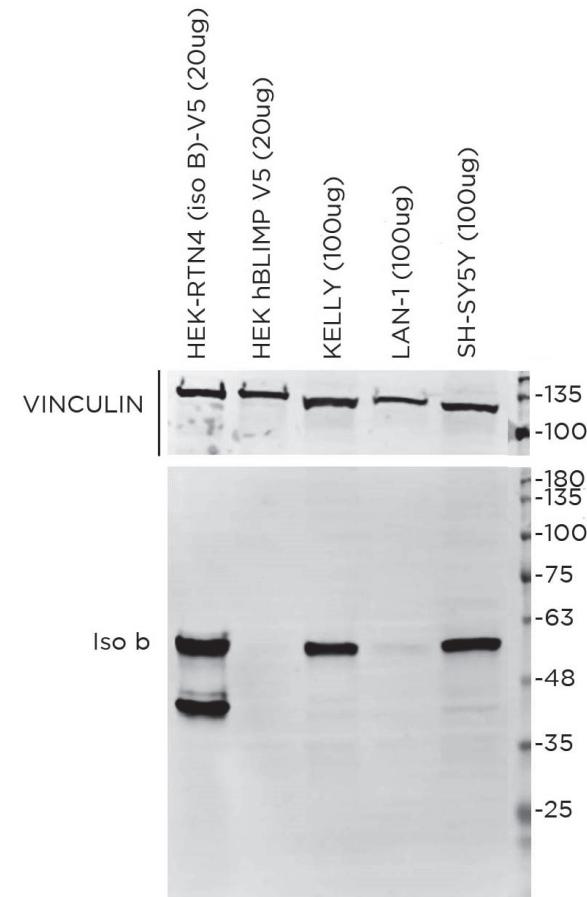
Isoform a: 130kDa
Isoform b: 40kDa
Isoform c: 22kDa
Isoform d: 106kDa
Isoform e: 42kDa
Isoform f: 108kDa

Observed molecular weight: **60kDa**

LANES

Lane 1 Hek-RTN4 isoform b	(20ug)	(+)
Lane 2 Hek-BLIMP1	(20ug)	(-)
Lane 3 KELLY cell line	(100ug)	(+)
Lane 4 LAN1 cell line	(100ug)	(-)
Lane 5 SH-SY5Ycell line	(100ug)	(+)

Anti-Vinculin was used as loading control



| IHC-P | *Immunohistochemistry (paraffin)*

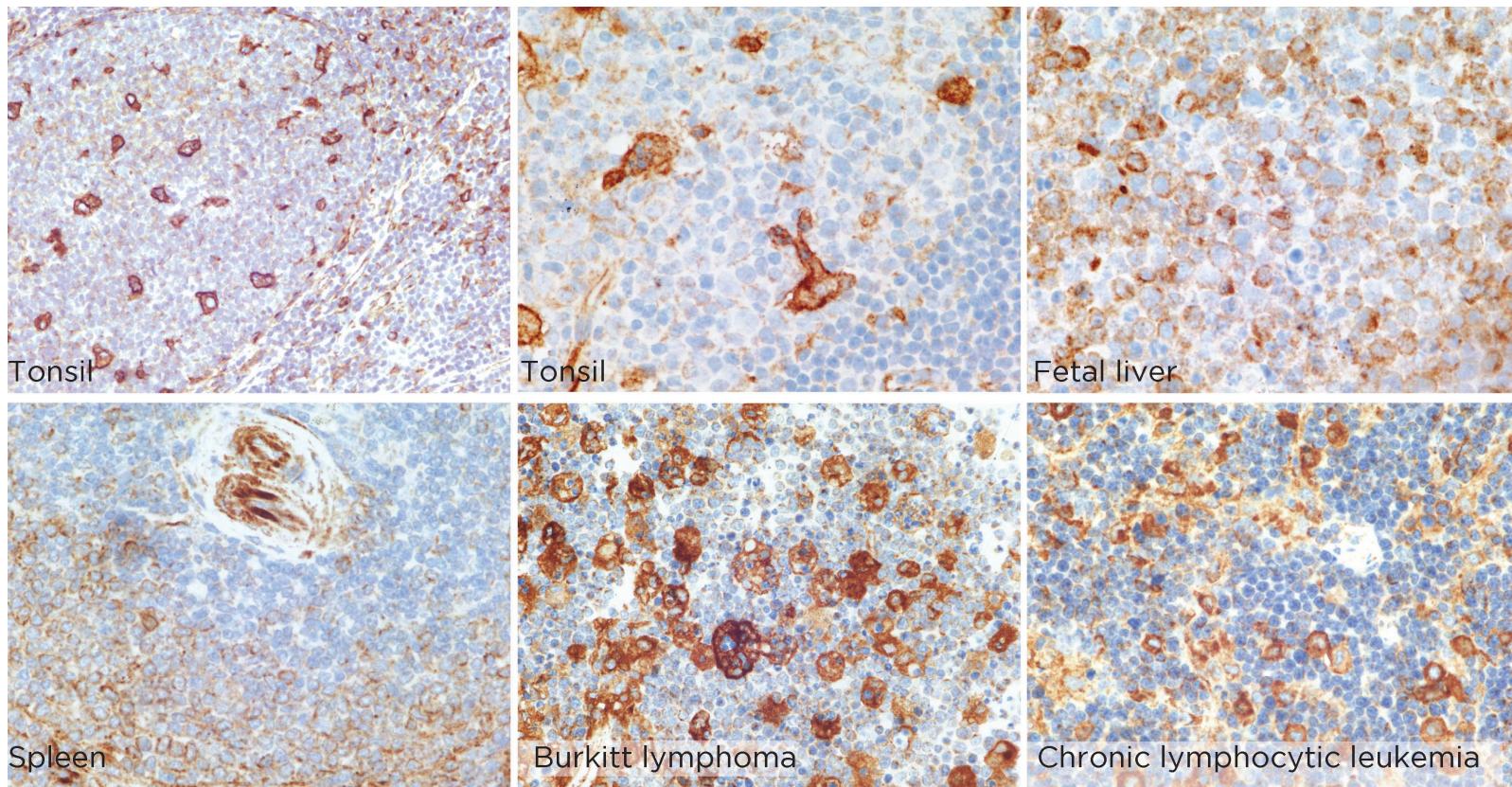
LIG198B mAb can be used to detect RTN4 protein in human paraffin tissues

TISSUE SAMPLE human tonsil, fetal liver, spleen, Burkitt lymphoma and chronic lymphocytic leukemia

DILUTION 1:50 supernatant

ANT. RETRIEVAL 20 minutes ER2 (Tris-EDTA)

DETECTION SYSTEM Novolink kit (BondMax Leica)



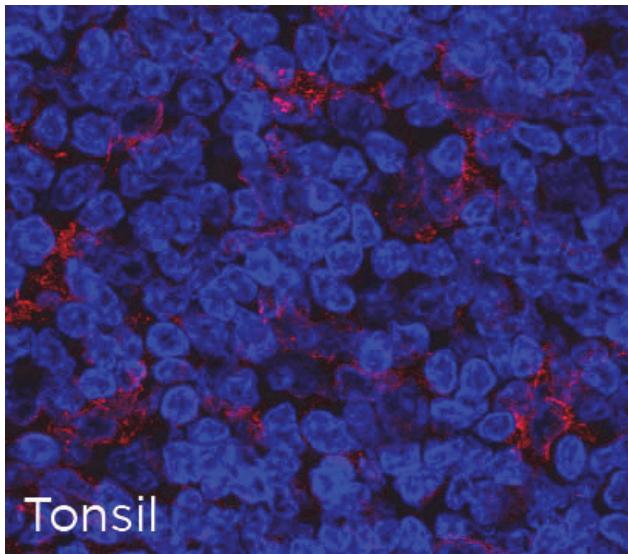
 | IF | **Immunofluorescence (paraffin)**

LIG198B mAb can be used to detect RTN4 protein by immunofluorescence

TISSUE SAMPLE human tonsil

DILUTION neat supernatant

ANT. RETRIEVAL Tris-EDTA



 | IHC-F | **Immunohistochemistry (frozen)** Not Recommended

 | FC | **Flow Cytometry** Not tested

 | IP | **Immunoprecipitation** Not Tested