WAPL | Validation File

TARGET WAPL/wings apart-like homolog (Drosophila)
CLONE NAME WAPI205A
DESCRIPTION Rat monoclonal
ANTIGEN USED His-MBP-hWAPL C-terminal region (2957-4015aa)
ISOTYPE IgG2a
SPECIES REACTIVITY human and mouse
LOCALIZATION Nuclear
POSITIVE CONTROL Human Thymus
STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide
STORAGE Aliquot and store at 4C. Do not freeze

Recommended Inconclusive Not Recommended Not Tested

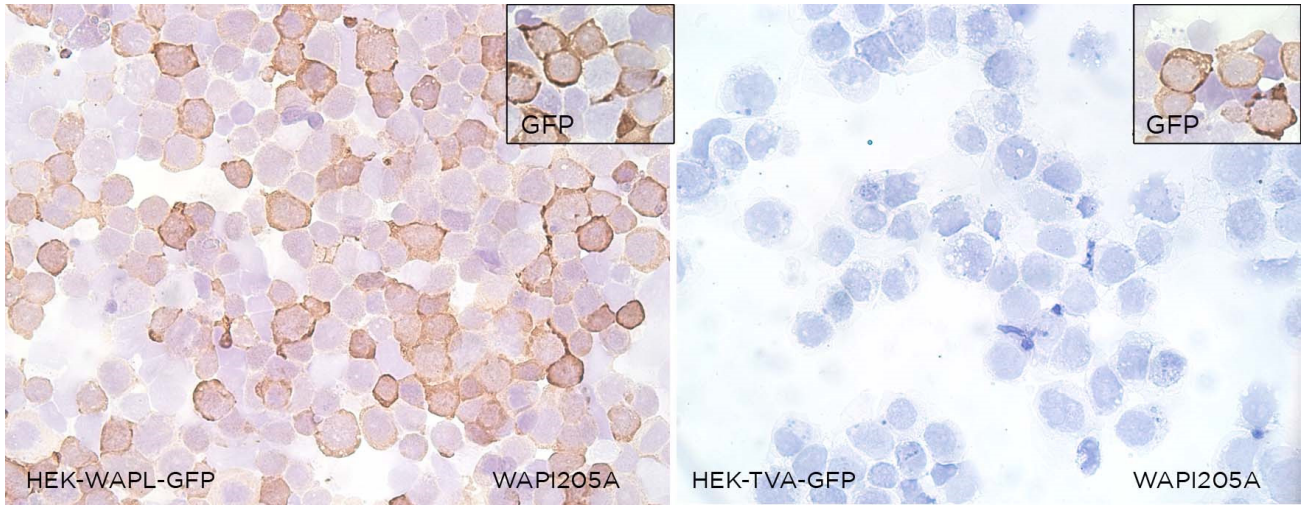
APPLICATIONS

| ICC | ***Immunocytochemistry***

WAPI205A mAb is able to detect human WAPL protein in immunocytochemistry

DILUTION neat supernatant

To confirm that WAPI205A mAb recognizes human WAPL protein, immunocytochemistry on frozen cytospin preparations of human WAPL expressed in HEK293 cell line was performed. Cytospin preparation of human TVA protein was used as a negative control. Anti-GFP (LAS clone) was used as positive control.



| WB | ***Western Blotting***

WAPI205A mAb is able to detect human and mouse WAPL protein by WB.

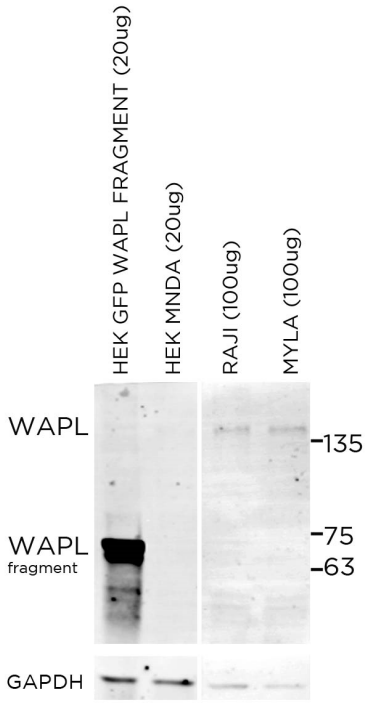
DILUTION neat supernatant

Predicted molecular weight ***132kDa***
Observed molecular weight ***140kDa***

LANES

Lane 1 HEK-GFP-WAPL fragment	(20ug) (+)
Lane 2 HEK-MNDA	(20ug) (-)
Lane 3 RAJI cell line	(100ug) (+)
Lane 4 Myla cell line	(100ug) (+)

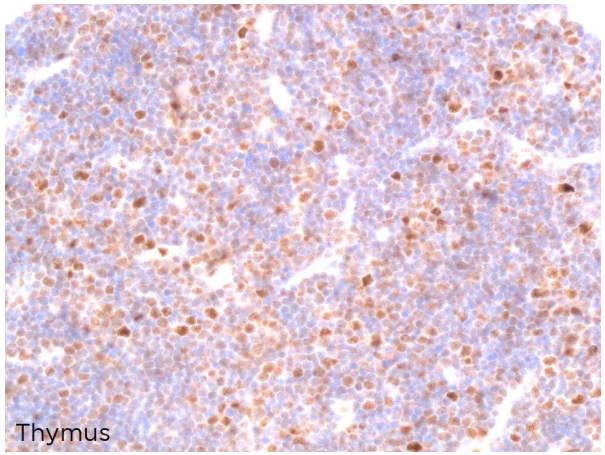
GAPDH was used as loading control



| IHC-P | ***Immunohistochemistry (paraffin)***

WAPI205A mAb can be used to detect WAPL protein in human paraffin tissues

TISSUE SAMPLE Human thymus
DILUTION 1:500 (supernatant)
ANT. RETRIEVAL 20 minutes ER2 (Tris-EDTA)
DETECTION SYSTEM Novolink kit (BondMax Leica)


Thymus

| IF | ***Immunofluorescence (paraffin)***

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

| FC | ***Flow Cytometry*** Not tested

| IP | ***Immunoprecipitation*** Not recommended

REFERENCES

Morales C, Ruiz-Torres M, Rodriguez-Acebes S, Lafarga V, Rodriguez-Corsino M, Megias D, Cisneros DA, Peters JM, Mendez J, Losada A (2020). PDS5 proteins are required for proper cohesion dynamics and participate in replication for k protection. J. Biol Chem 295,146-157.