

PSF1 | Validation File

TARGET PSF1/GINS1 (DNA replication complex GINS protein PSF1)

CLONE NAME 192B

DESCRIPTION mouse monoclonal

ANTIGEN USED GINS complex-HIS

ISOTYPE IgG1

SPECIES REACTIVITY human

LOCALIZATION nuclear

POSITIVE CONTROL 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

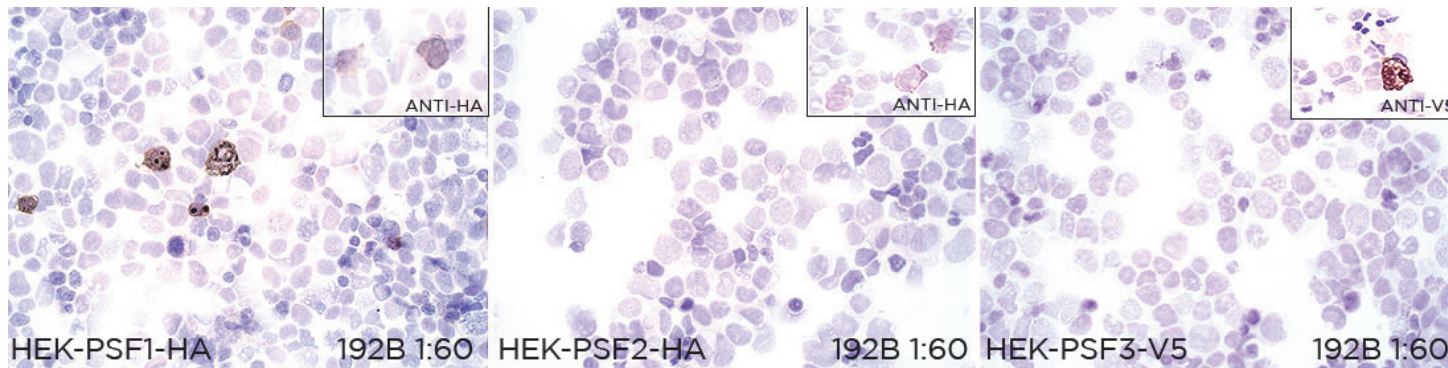
APPLICATIONS

● | ICC | *Immunocytochemistry*

192B mAb is able to detect human PSF1 protein in immunocytochemistry

DILUTION neat supernatant

To confirm that 192B mAb recognizes human PSF1 protein, immunocytochemistry on frozen cytospin preparations of human PSF1 expressed in HEK293 cell line was performed. HEK-PSF2-HA and HEK-PSF3-V5 transfected cells confirm antibody specificity. Anti-HA and anti-V5 were used as positive controls.



● | WB | **Western Blotting**

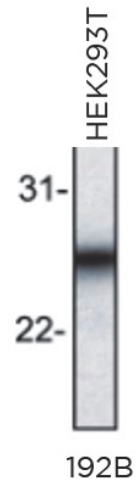
192B mAb is able to detect human PSF1 protein in western blott

DILUTION neat supernatant

Predicted molecular weight: **23kDa**
Observed molecular weight: **23kDa**

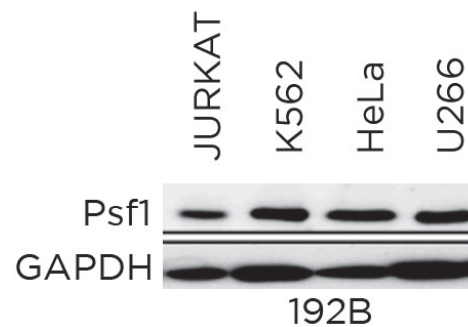
LANES

Lane 1 HEK293T cell line (100ug) (+)



LANES

Lane 1 JURKAT cell line (100ug) (+)
Lane 2 K562 cell line (100ug) (+)
Lane 3 HeLa cell line (100ug) (+)
Lane 4 U266 cell line (100ug) (+)



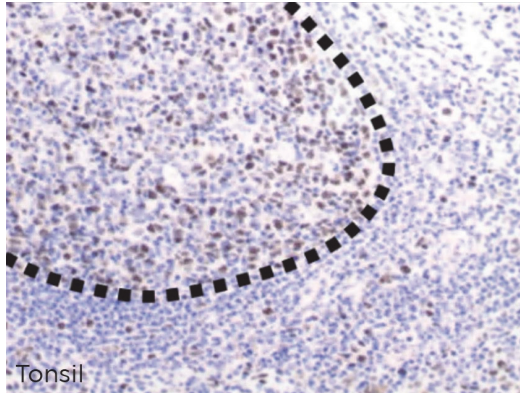
● | IHC-P | **Immunohistochemistry (paraffin)**

192B mAb is able to detect PSF1 protein in human paraffin tissues.

TISSUE Human tonsil, dashed lines mark the tonsil germinal centers of proliferating lymphocytes.

DILUTION neat supernatant

ANTIGEN RETRIEVAL 20min ER2 Bond Max (Leica)



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

● | IF | **Immunofluorescence (paraffin)** Not tested

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

● | IP | **Immunoprecipitation** Not Tested

REFERENCES

Aparicio T, Guillou E, Coloma J, Montoya G and Méndez J. The GINS complex interacts with Cdc45 and MCM proteins and is essential for S phase progression in human cells. *Nucleic Acids Res.* 2009 Apr;37(7):2087-95.