

## mp15 | Validation File

**TARGET** Mus musculus cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4) (Cdkn2b)

**CLONE NAME** PAT56B

**DESCRIPTION** rat monoclonal

**ANTIGEN USED** HIS-GST-mp15 recombinant protein

**ISOTYPE** IgG2a

**SPECIES REACTIVITY** mouse

**LOCALIZATION** nuclear

**POSITIVE CONTROL** mouse fibrosarcoma

**STORAGE BUFFER** Tissue culture supernatant: 0.02% sodium azide

**STORAGE** Aliquot and store at 4C. Do not freeze

 Recommended

 Inconclusive

 Not Recommended

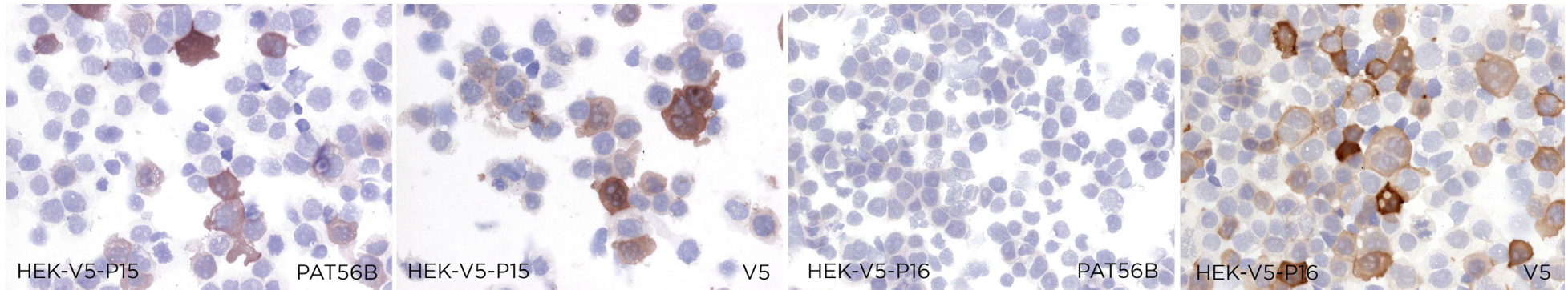
 Not Tested

# APPLICATIONS

## ● | ICC | Immunocytochemistry

PAT56B is able to detect mouse p15 protein in immunocytochemistry

To confirm that PAT56B mAb recognizes mouse p15 protein, immunocytochemistry on frozen cytospin preparations of V5-tagged mouse p15 expressed in HEK293T was performed. Labeling with the anti-V5 confirmed the efficiency of transfection. Cytospin preparation of V5-tagged mouse p16 protein was used as a negative control.



● | WB | **Western Blotting**

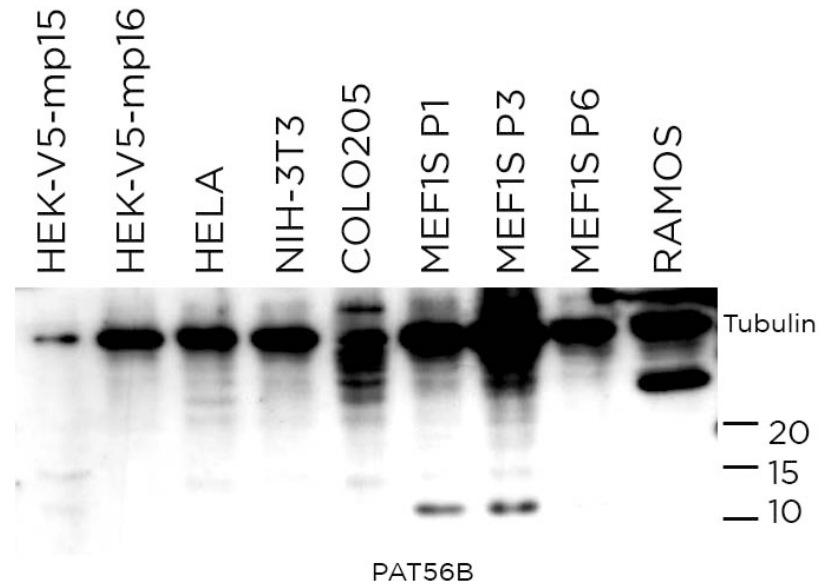
PAT56B mAb is able to detect mouse p15 protein by WB.

**DILUTION** neat supernatant

Predicted molecular weight: **14kDa**  
Observed molecular weight: **14kDa**

**LANES**

- Lane 1 Hek-V5-p15 (30ug) (+)
- Lane 2 Hek-V5-p16 (30ug) (-)
- Lane 3 Hela cell line (30ug) (-)
- Lane 4 NIH/3T3 cell line (100ug) (-)
- Lane 5 COLO cell line (100ug) (-)
- Lane 6 Mefs (100ug) (+)
- Lane 7 Mefs (100ug) (+)
- Lane 8 Mefs (100ug) (-)
- Lane 9 Ramos cell line (100ug) (-)



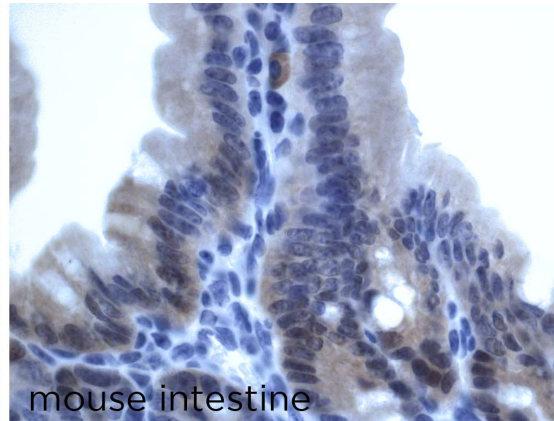
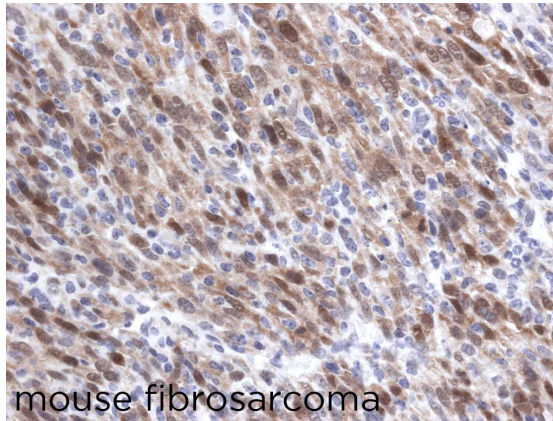
● | IHC-P | **Immunohistochemistry (paraffin)**

PAT56B mAb can be used to detect p15 protein in mouse paraffin tissues

**TISSUE SAMPLE** mouse fibrosarcoma and mouse intestine

**DILUTION** Neat supernatant

**DETECTION SYSTEM** CC1 st 60min Rb Rt Biot Omni Rbb (Ventana)



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

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

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

● | IP | **Immunoprecipitation** Not Tested

## REFERENCES

Muñoz-Espín D, Cañamero M, Maraver A, Gómez-López G, Contreras J, Murillo-Cuesta S, Rodríguez-Baeza A, Varela-Nieto I, Ruberte J, Collado M, Serrano M. Programmed cell senescence during mammalian embryonic development. *Cell*. 2013 Nov 21;155(5):1104-18.