

## mp16 | Validation File

**TARGET** mouse p16 (CDKN2A)

**CLONE NAME** PABLO33B

**DESCRIPTION** Rat monoclonal

**ANTIGEN USED** HIS-GST-mp16 recombinant protein (full-length protein)

**ISOTYPE** IgG2a

**SPECIES REACTIVITY** Mouse

**LOCALIZATION** Nuclear

**POSITIVE CONTROL** Papilloma

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

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

 Recommended

 Inconclusive

 Not Recommended

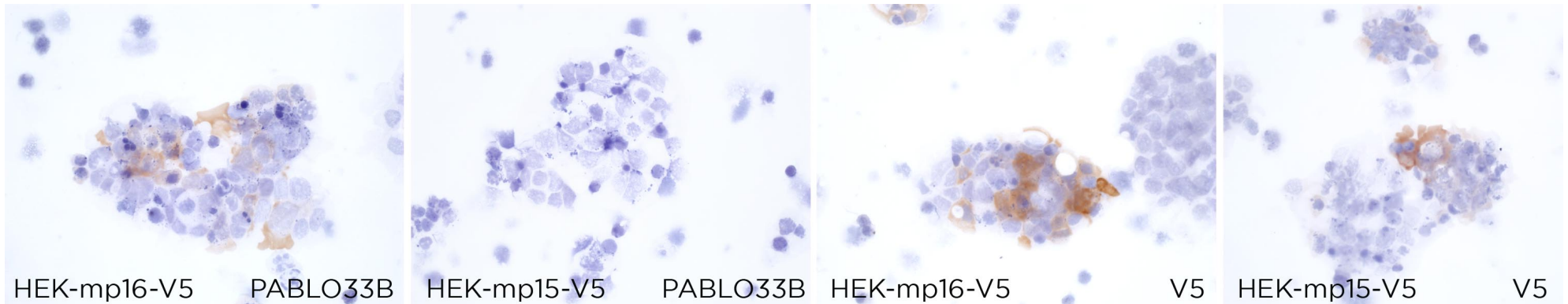
 Not Tested

# APPLICATIONS

## ● | ICC | Immunocytochemistry

PABLO33B is able to detect mouse p16 (CDKN2A) protein in immunocytochemistry

To confirm that PABLO33B mAb recognizes mouse p16 (CDKN2A) protein, immunocytochemistry on frozen cytopsin preparations of HEK-mp16-V5 transfected cells was performed. Cytopsin preparation of V5-tagged mouse p15 protein was used as a negative control. Anti-V5 was used as a positive control.



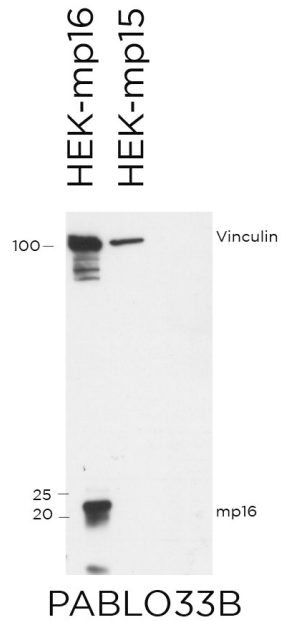
● | WB | **Western Blotting**

PABLO33B mAb is able to detect mouse p16 (CDKN2A) protein by WB.

**DILUTION** Neat supernatant

**LANES**

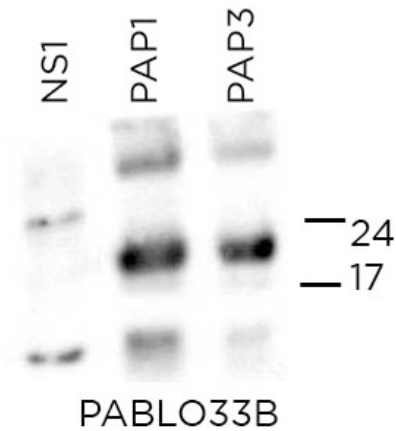
Lane 1 HEKmp16 (20ug) (+)  
Lane 2 HEKmp15 (20ug) (-)



**LANES**

Lane 1 NS1 mouse cell line (100ug)  
Lane 2 PAP1 mouse papilloma tissue (100ug)  
Lane 3 PAP3 mouse papilloma tissue (100ug)

Predicted molecular weight: **16kDa**  
Observed molecular weight: **16kDa**



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

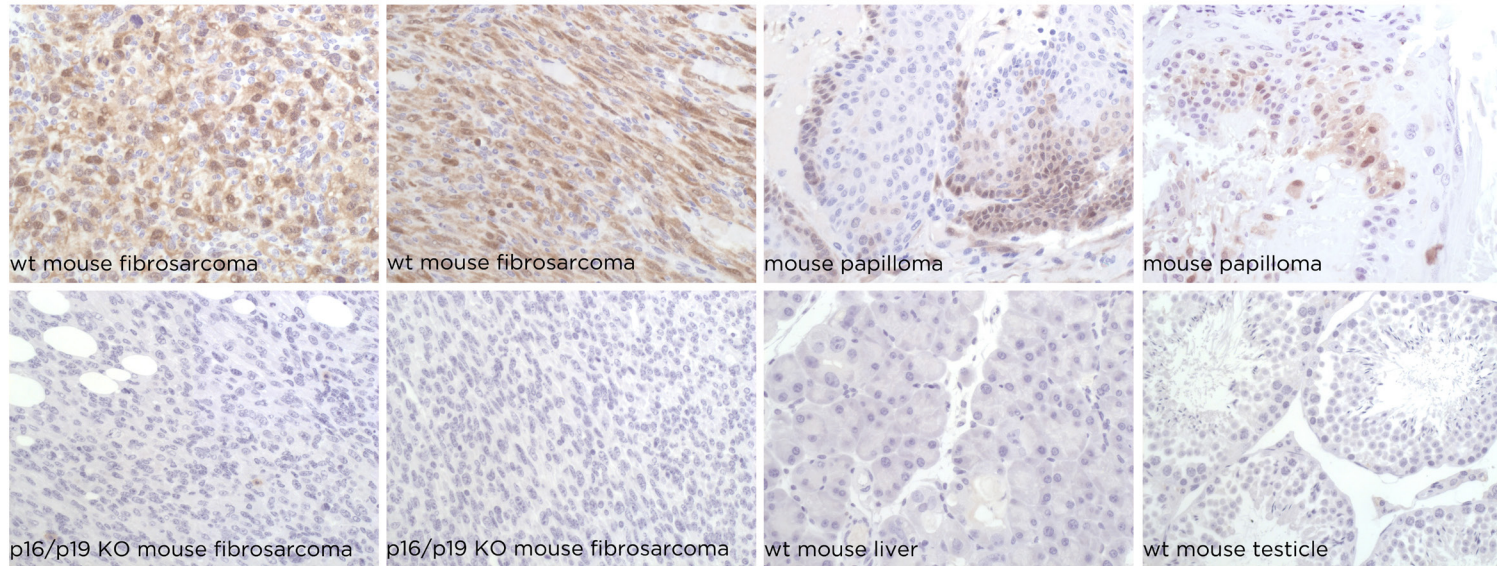
PABLO33B mAb can be used to detect mouse p16 (CDKN2A) protein in paraffin tissues

**TISSUE SAMPLE** mouse fibrosarcoma, mp16/p19 KO mouse fibrosarcoma, papilloma, liver and testicle.

**DILUTION** Neat supernatant

**ANT. RETRIEVAL** pH High9

**DETECTION SYSTEM** Discovery Xt (Ventana) CC1 OmniMap.



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

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

● | FC | **Flow Cytometry** Not Tested

● | IP | **Immunoprecipitation** Not Tested

## REFERENCES

Therapeutic senescence via GPCR activation in synovial fibroblasts facilitates resolution of arthritis. Trinidad Montero-Melendez, Ai Nagano, Claude Chelala, Andrew Filer, Christopher D. Buckley and Mauro Perretti. Nature Communications volume 11, Article number: 745 (2020)