# P16

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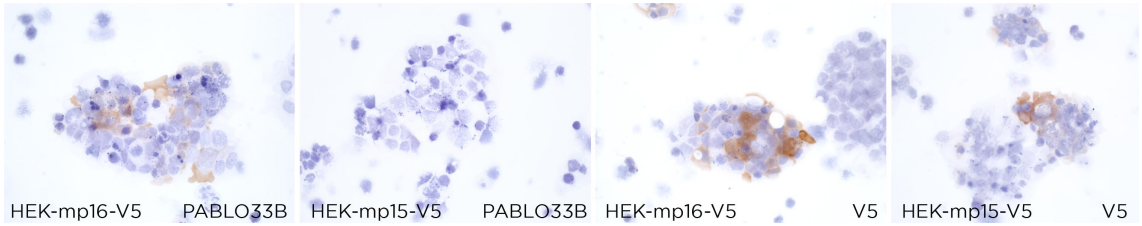
| CONTACT INFORMATION: | Monoclonal Antibodies Unit. Centro Nacional de Investigaciones Oncológicas |
| STATUS: | Validated |
| TYPE: | rat anti mouse |
| CLONE NAME: | PABLO33B |
| PROTEIN: | cyclin-dependent kinase inhibitor 2A |
| ANTIGEN USED: | HIS-GST-mp16 recombinant protein (full length protein) |
| FUSION PARTNER: | myeloma p3-NS1/Ag4-1 (NS1) cells |
| ISOTYPE: | IgG2a |
| SPECIES REACTIVITY: | mouse |
| PREPARATION AND STORAGE: | Aliquot and store at 4C. Do not freeze |

## 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)

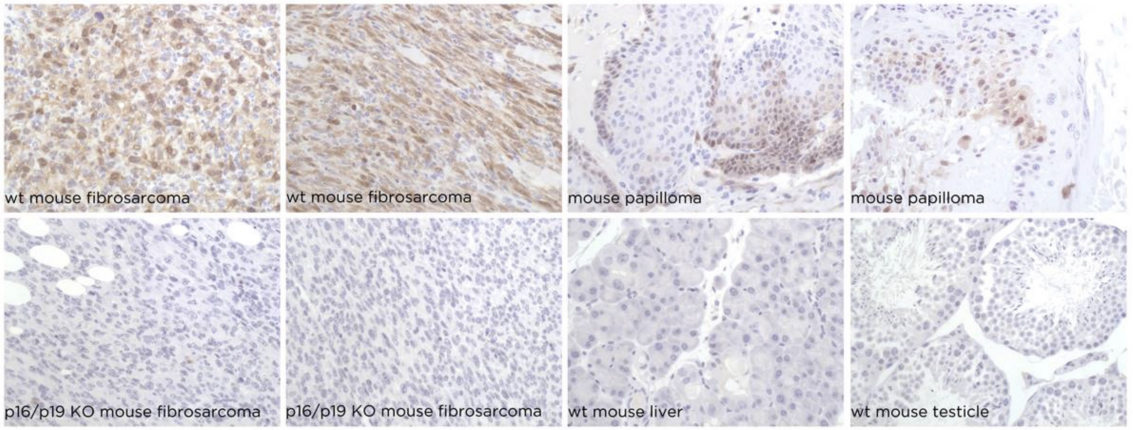
## APPLICATIONS

| IHC Techniques | Clone | Dilution | Antibody concentration | Antigen retrieval method | Visualization kit | Positive control | Negative control | Protein localization | Positivity in other species |
|---|---|---|---|---|---|---|---|---|---|
| **Frozen tissue and cytospins** | | | | | | | | | |
| Recommended | PABLO33B | Neat | supernatant | | | | | | |
| **Paraffin tissue** | | | | | | | | | |
| Recommended | PABLO33B | Neat | supernatant | | Ventana | Fibrosarcoma tissue | | nuclear | |
| **Immunofluorescence** | | | | | | | | | |



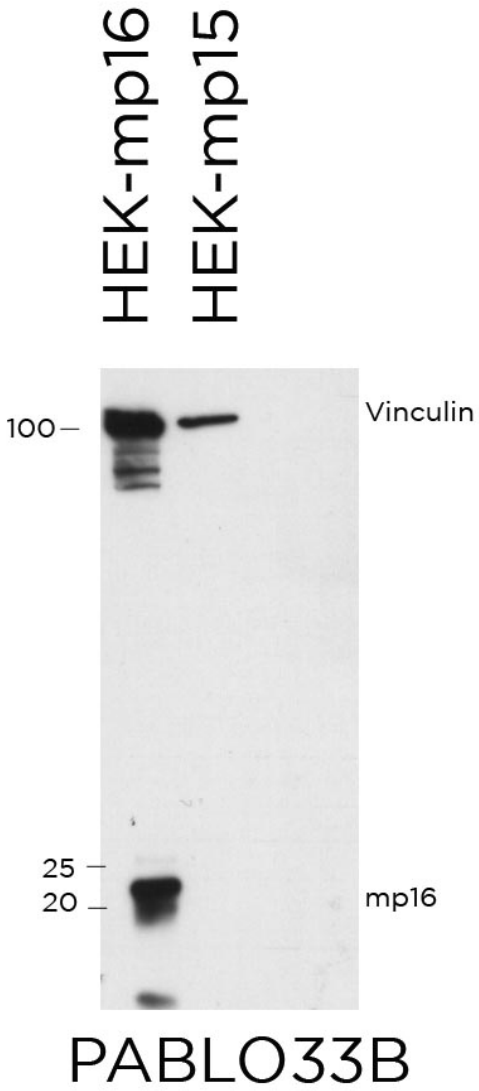

**PABLO33B is able to detect mouse p16 (CDKN2A) protein in immunocytochemistry**

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




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

| WB Techniques | Clone | Dilution | Antibody concentration | Positive control | Negative control | Expected MW | Observed Mw | Positivity in other species |
|---|---|---|---|---|---|---|---|---|
| **Western Blotting** | | | | | | | | |
| Recommended | PABLO33B | undiluted | supernatant | | | 16kDa | 16kDa | |
| **Immunoprecipitation** | | | | | | | | |

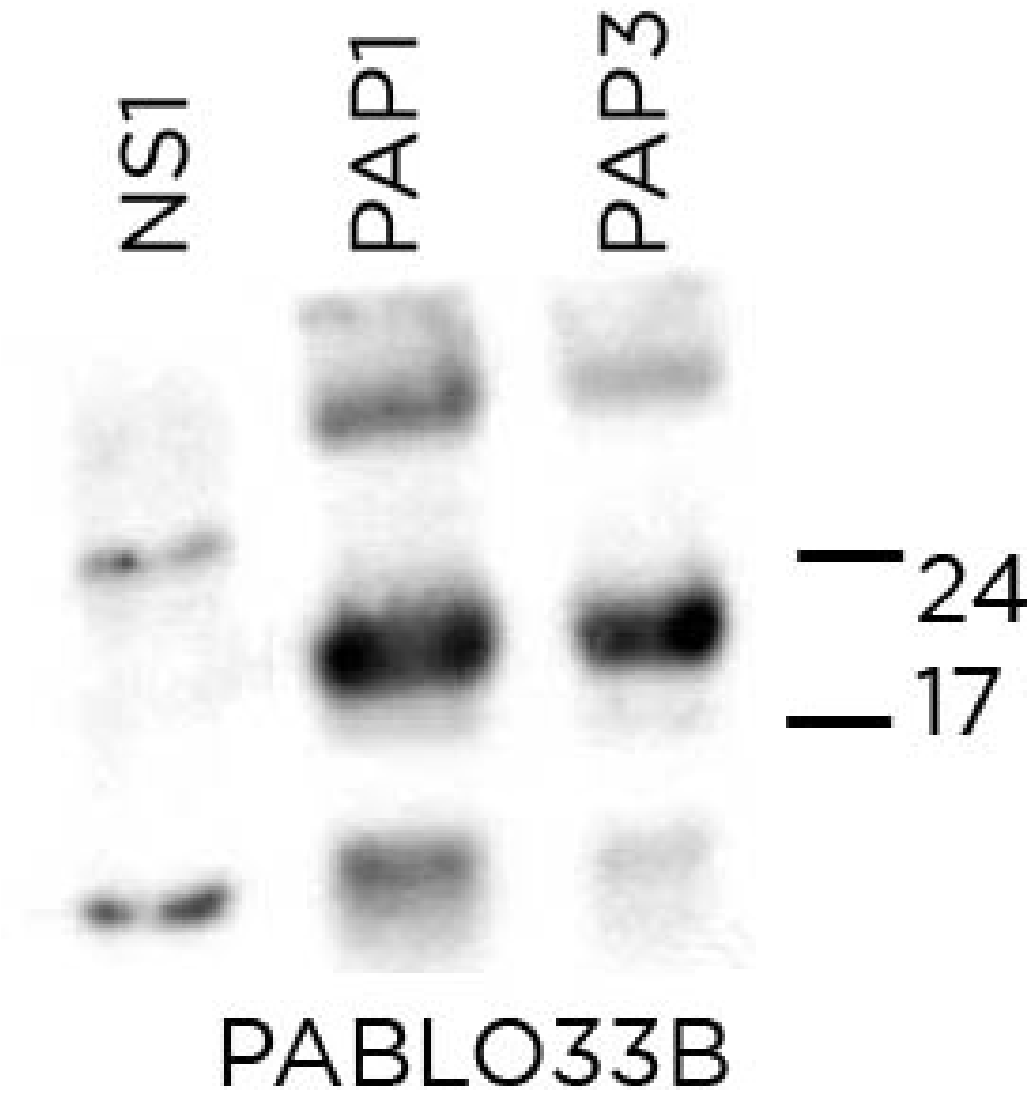



**PABLO33B mAb is able to detect mouse p16 (CDKN2A) protein by WB.**

LANES

Lane 1 HEKmp16 (20ug) (+)

Lane 2 HEKmp15 (20ug) (-)




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

Lane 1 NS1 mouse cell line (100ug)

Lane 2 PAP1 mouse papilloma tissue (100ug)

Lane 3 PAP3 mouse papilloma tissue (100ug)