POT1A | Validation File

TARGET mouse Pot1A - Protection of telomeres protein 1
CLONE NAME ***POP148C***
DESCRIPTION Rat monoclonal
ANTIGEN USED HIS-mPOT1A (full-length protein) and GST-POT1A (fragment 185-430)
ISOTYPE IgG2a
SPECIES REACTIVITY mouse
LOCALIZATION nuclear
POSITIVE CONTROL mouse nuclear extracts
STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide
Purified antibody: PBS plus 1%BSA and 0.02% sodium azide. MAb concentration: 1mg/ml
STORAGE Aliquot and store at 4C. Do not freeze

Recommended Inconclusive Not Recommended Not Tested

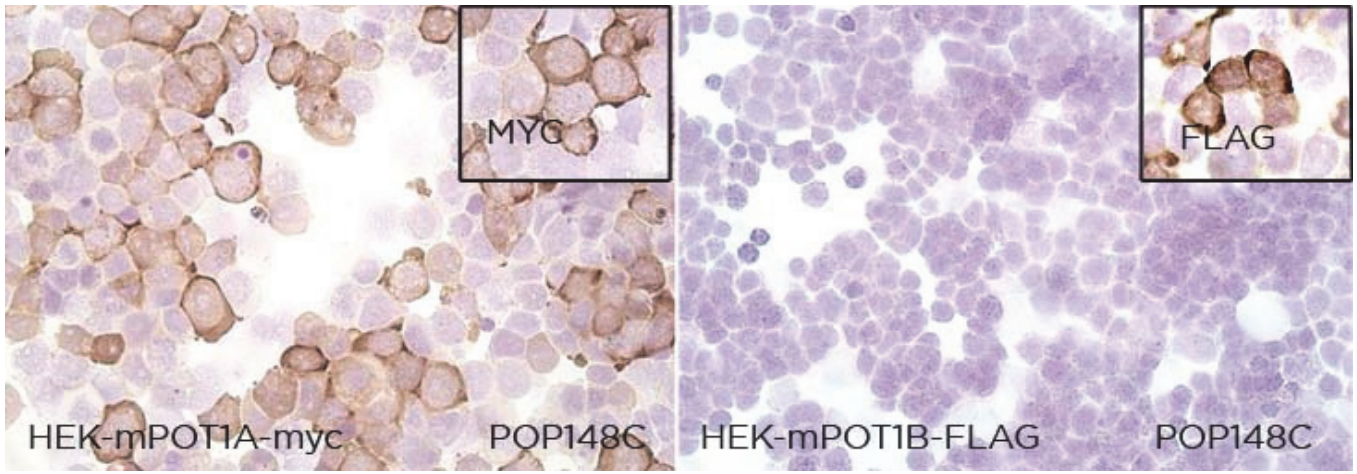
APPLICATIONS

| ICC | ***Immunocytochemistry***

POP148C is able to detect mouse POT1A protein in immunocytochemistry

DILUTION Neat supernatant

To confirm that POP148C mAb recognizes mouse POT1A protein, immunocytochemistry on frozen cytospin preparations of mouse POT1A and POT1B expressed in HEK293 cell line was performed. Anti-myc and anti-FLAG were used as positive controls.



| WB | ***Western Blotting***

POP148C mAb is able to detect mouse POT1A protein by WB.

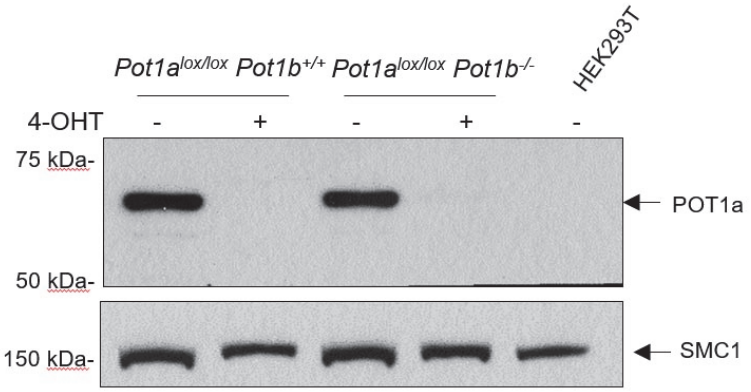
DILUTION 1:200 purified mAb (1mg/ml)

Expected molecular weight: ***64kDa***
Observed molecular weight: ***64kDa***

LANES

Lane 1 MEFS (POT1a$^{lox/lox}$)	30ug (+)
Lane 2 MEFS (POT1b$^{+/+}$)	30ug (-)
Lane 3 MEFS (POT1a$^{lox/lox}$)	30ug (+)
Lane 4 MEFS (POT1b$^{-/-}$)	30ug (-)
Lane 5 HEK293T	30ug (-)

Nuclear extracts of MEFS treated with 1 uM of 4-OHT for 6 days.



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

| IHC-P | ***Immunohistochemistry (paraffin)*** Not working

| IF | ***Immunofluorescence*** Not working

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

| IP | ***Immunoprecipitation*** Not tested