For Research Use Only

P16-INK4A Monoclonal antibody, PBS Only

Catalog Number:60626-1-PBS

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Basic Information

Catalog Number:
60626-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG1328

GenBank Accession Number:
BC021998

GeneID (NCBI):
1029

UNIPROT ID:
P42771

Full Name:
cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)

Calculated MW:
16 kDa

Observed MW:
16 kDa

Purification Method:
Protein A purification

CloneNo.:
1C9D3

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

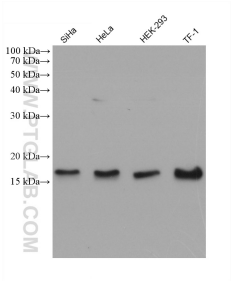
P16-INK4A is also named as CDKN2A, MLM, Tumor suppressor ARF, Alternative reading frame. The tumor suppressor protein p16Ink4a (encoded from the CDKN2A locus) is often transcriptionally activated in cells undergoing senescence and is one of the main regulators of this program, and it is upregulated in multiple tissues during aging (PMID:17055429). p16-Ink4a is the principal member of the Ink4 family of CDK inhibitors. p16-Ink4a contributes to the regulation of cell cycle progression by inhibiting the S phase. p16Ink4a binds to CDK4/6, inhibiting cyclin D-CDK4/6 complex formation and CDK4/6-mediated phosphorylation of Rb family members. Expression of p16-Ink4a maintains the Rb family members in a hypophosphorylated state, which promotes binding to E2F1 and leads to G1 cell cycle arrest (PMID: 21297668).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60626-1-Ig (P16-INK4A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60626-1-PBS in a different storage buffer formulation.