

For Research Use Only

SMEK1 Polyclonal antibody, PBS Only

Catalog Number: 26153-1-PBS



Basic Information

Catalog Number:

26153-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5070

GenBank Accession Number:

BC038932

GeneID (NCBI):

55671

UNIPROT ID:

Q6IN85

Full Name:

SMEK homolog 1, suppressor of mek1
(Dictyostelium)

Calculated MW:

833 aa, 95 kDa

Observed MW:

95-100 kDa

Purification Method:

Protein A purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human

Background Information

PPP4R3A also known as SMEK1, is the regulatory subunit of serine/threonine-protein phosphatase 4. SMEK1 regulates the activity of PPP4C at centrosomal microtubule organizing centers. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AX phosphorylated on 'Ser-140' (gamma-H2AX) generated during DNA replication and required for DNA DSB repair (PMID: 18614045).

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, pH7.3

For technical support and original validation data for this product please contact:

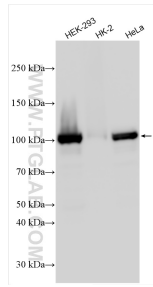
T: 4006900926

E: Proteintech-CN@ptglab.com

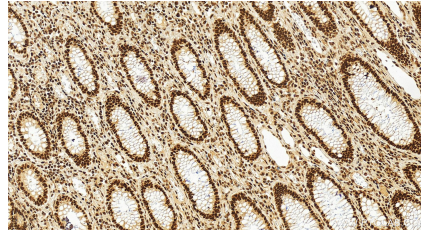
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

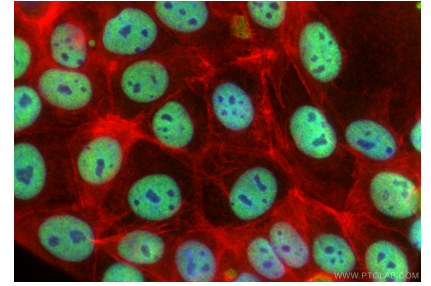
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26153-1-AP (SMEK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 26153-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 26153-1-AP (SMEK1 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26153-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using SMEK1 antibody (26153-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 26153-1-PBS in a different storage buffer formulation.