For Research Use Only

TAK1 Monoclonal antibody, PBS Only

Catalog Number:67707-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
67707-1-PBS

Concentration:
1mg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG21286

GenBank Accession Number:
BC017715

GeneID (NCBI):
6885

UNIPROT ID:
O43318

Full Name:
mitogen-activated protein kinase kinase kinase 7

Calculated MW:
579 aa, 64 kDa

Observed MW:
67-70 kDa

Purification Method:
Protein G purification

CloneNo.:
1A5B2

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Background Information

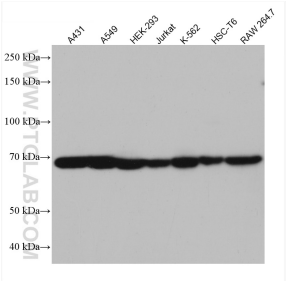
MAP3K7(Mitogen-activated protein kinase kinase kinase 7) is also named as TAK1 and belongs to the MAP kinase kinase kinase subfamily. It plays an important role in the cascades of cellular responses evoked by changes in the environment. It has been linked to interleukin-1 receptor and tumor necrosis factor receptor signaling (PMID: 16186825). It has 4 isoforms (53-55 kDa, 64-70 kDa and 75-80 kDa) produced by alternative splicing.

Storage

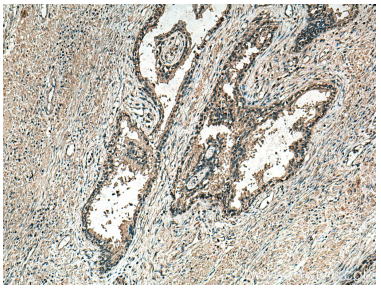
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

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

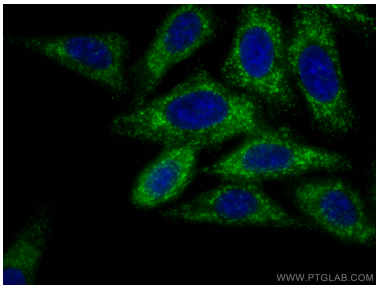
Selected Validation Data



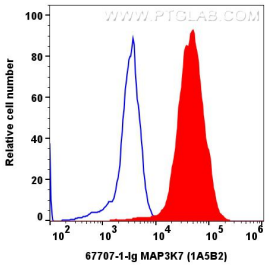
Various lysates were subjected to SDS PAGE followed by western blot with 67707-1-Ig (TAK1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67707-1-PBS in a different storage buffer formulation.



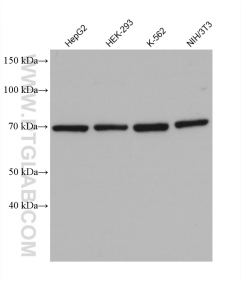
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 67707-1-Ig (TAK1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67707-1-PBS in a different storage buffer formulation.



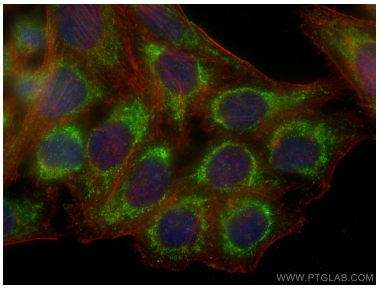
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using TAK1 antibody (67707-1-Ig, Clone: 1A5B2) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67707-1-PBS in a different storage buffer formulation.



1x10^6 K-562 cells were intracellularly stained with 0.2 μg TAK1 Monoclonal antibody (67707-1-Ig, Clone:1A5B2 (red) or Mouse IgG1 isotype control (66360-1-Ig, Clone: 1F8D3 (blue), and Multi-rAb CoraLite® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L)(RGAM005). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 67707-1-PBS in a



Various lysates were subjected to SDS PAGE followed by western blot with 67707-1-Ig (TAK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67707-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using TAK1 antibody (67707-1-Ig, Clone: 1A5B2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 67707-1-PBS in a different storage buffer formulation.