

For Research Use Only

# CoraLite®594-conjugated TAOK3 Monoclonal antibody



Catalog Number:CL594-67451

## Basic Information

Catalog Number:

CL594-67451

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG29146

GenBank Accession Number:

BC002756

GeneID (NCBI):

51347

UNIPROT ID:

Q9H2K8

Full Name:

TAO kinase 3

Calculated MW:

105 kDa

Observed MW:

100-105 kDa

Purification Method:

Protein G purification

CloneNo.:

1A5A9

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

Human

Positive Controls:

IF : human prostate cancer tissue,

## Background Information

TAOK3(Serine/threonine-protein kinase TAO3) is also named as DPK, JIK, KDS, MAP3K18 and belongs to the STE Ser/Thr protein kinase family. It acts as an activator of the p38/MAPK14 stress-activated MAPK cascade. In response to DNA damage, it is involved in the G2/M transition DNA damage checkpoint by activating the p38/MAPK14 stress-activated MAPK cascade, probably by mediating phosphorylation of upstream MAP2K3 and MAP2K6 kinases. And this protein can be autophosphorylated(PMID:20949042).

## Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

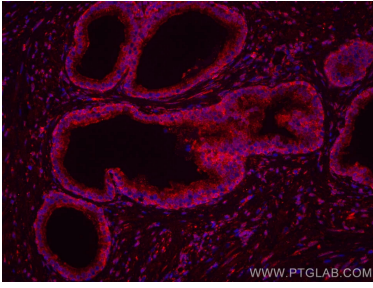
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

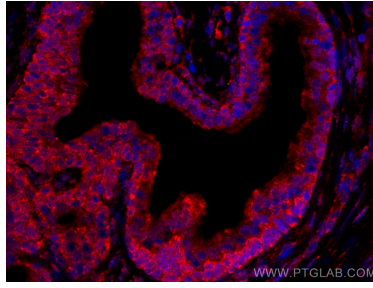
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using CoraLite®594 TAOK3 antibody (CL594-67451, Clone: 1A5A9) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using CoraLite®594 TAOK3 antibody (CL594-67451, Clone: 1A5A9) at dilution of 1:200.