

For Research Use Only

# CoraLite® Plus 488-conjugated TAOK3 Monoclonal antibody

Catalog Number: CL488-67451

Featured Product



## Basic Information

Catalog Number:

CL488-67451

Size:

100ul, Concentration: 1000 ug/ml by

Nanodrop;

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-P 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

Human

Positive Controls:

IF-P: 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. Stable for one year after shipment.

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using CoraLite® Plus 488 TAOK3 antibody (CL488-67451, Clone: 1A5A9) at dilution of 1:200.



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