For Research Use Only

## CoraLite® Plus 488-conjugated TAOK3 Monoclonal antibody



Catalog Number: CL488-67451

Featured Product

**Basic Information** 

Catalog Number: GenBank Accession Number:

CL488-67451 BC002756 GeneID (NCBI):

100ul, Concentration: 1000 ug/ml by 51347

Nanodrop: **UNIPROT ID:** 

Q9H2K8 Mouse Full Name:

Isotype: TAO kinase 3 lgG1 Calculated MW:

Immunogen Catalog Number: 105 kDa AG29146

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 $activated \, MAPK \, cascade, probably \, by \, mediating \, phosphorylation \, of \, upstream \, MAP2K3 \, and \, MAP2K6 \, kinases. \, And \, MAP2K6 \, kinase$ this protein can be autophosphorylated(PMID:20949042).

Storage

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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

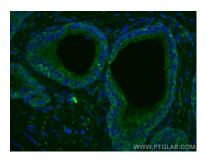
Aliquoting is unnecessary for -20°C storage

in USA), or 1(312) 455-8498 (outside USA)

## 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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