

# TAOK3 Polyclonal antibody

Catalog Number: 28403-1-AP

## Basic Information

**Catalog Number:**

28403-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG29158

**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:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human

**Positive Controls:**

WB : Raji cells,

## Background Information

TAOK3 (Serine/threonine-protein kinase TAO3) is also named as DPK, JIK, KDS, MAP3K18. It belongs to the STE Ser/Thr protein kinase family. TAO3 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. The protein can also be autophosphorylated (PMID:20949042).

## Storage

**Storage:**

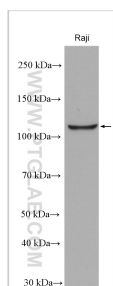
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 28403-1-AP (TAOK3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.