# Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) monoclonal antibody

Catalog: MB11897 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

Serine/threonine-protein kinase involved in various processes such as p38/MAPK14 stress-activated MAPK cascade, DNA damage response and regulation of cytoskeleton stability. Phosphorylates MAP2K3, MAP2K6 and MARK2. Acts as an activator of the p38/MAPK14 stress-activated MAPK cascade by mediating phosphorylation and subsequent activation of the upstream MAP2K3 and MAP2K6 kinases. Involved in G-protein coupled receptor signaling to p38/MAPK14. In response to DNA damage, involved in the G2/M transition DNA damage checkpoint by activating the p38/MAPK14 stress-activated MAPK cascade, probably by mediating phosphorylation of MAP2K3 and MAP2K6.

## Product:

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

## Molecular Weight:

Calculated MW: 116 kDa; Observed MW: 105,116,138 kDa

## Swiss-Prot:

Q7L7X3/Q9H2K8/Q9UL54

## Purification&Purity:

Affinity Purified

## Applications:

WB: 1/500-1/1000 IHC: 1/50-1/100

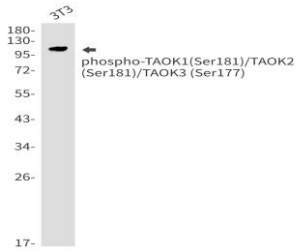
## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

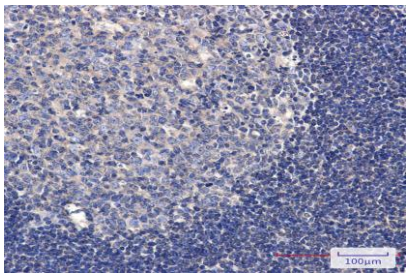
## Isotype:

IgG

## DATA:




Western blot analysis of Phospho-TAOK1/TAOK2 /TAOK3 in 3T3 lysates using Phospho-TAOK1/2/3 antibody.




Western blot analysis of TAOK1 /TAOK2 /TAOK3 in Hela, A549, HL-60, U2OS, C6 lysates using TAOK1 /TAOK2 /TAOK3 antibody. Immunohistochemistry analysis of paraffin-embedded Human tonsil using TAOK1 /TAOK2 /TAOK3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note:

For research use only, not for use in diagnostic procedure.

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