

PHOSPHO-TAOK1/2/3 (SER181/SER181/SER177) RABBIT MAB

Cat.#: N263199

Product Name: Anti-Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) Rabbit Monoclonal Antibody

Synonyms: DPK; JIK; hKFC-A; MAP3K18

UNIPROT ID: Q7L7X3/Q9H2K8/Q9UL54

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.

Immunogen: A synthetic phosphopeptide corresponding to residues surrounding Ser181 of human TAOK1

Applications: WB,IHC-P

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

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R04-3I5

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

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat

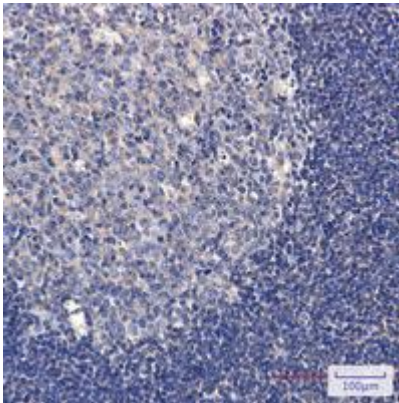
Conjugation: Unconjugated

Modification: Phosphorylated

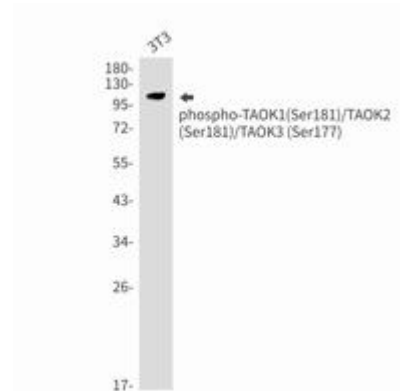
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: -

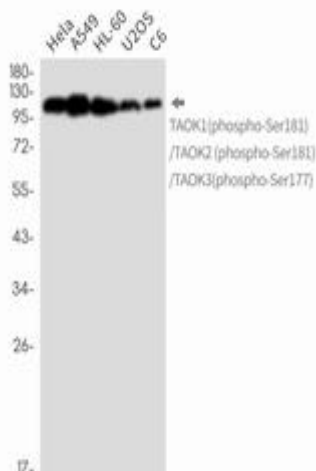
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human tonsil using TAOK1 (Phospho-Ser181)/TAOK2 (Phospho-Ser181)/TAOK3 (Phospho-Ser177) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of Phospho-TAOK1(Ser181)/TAOK2 (Ser181)/TAOK3 (Ser177) in 3T3 lysates using Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) antibody.



Western blot analysis of TAOK1 (Phospho-Ser181)/TAOK2 (Phospho-Ser181)/TAOK3 (Phospho-Ser177) in HeLa, A549, HL-60, U2OS, C6 lysates using TAOK1 (Phospho-Ser181)/TAOK2 (Phospho-Ser181)/TAOK3 (Phospho-Ser177) antibody.