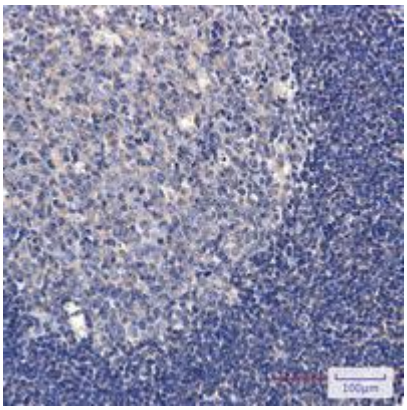
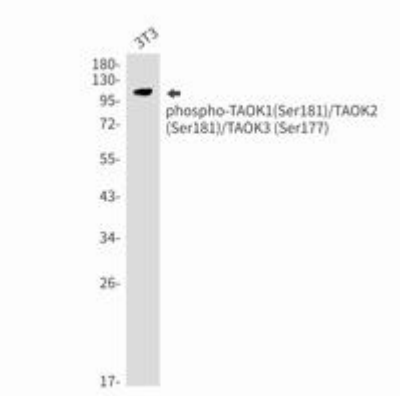
PHOSPHO-TAOK1/2/3 (SER181/SER181/SER177) RABBIT MAB

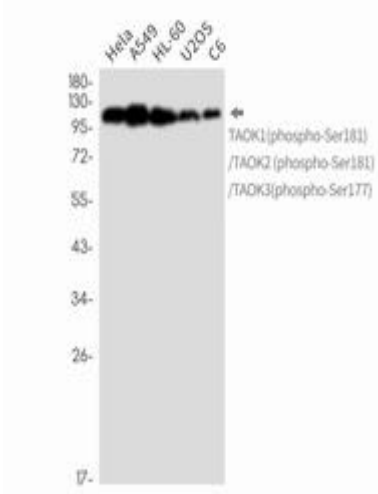
Cat.#: N263199
Product Name: Anti-Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) Rabbit Monoclonal Antibody
Synonyms: DPK; JIK; hKFC-A; MAP3K18
UNIPROT ID: Q7L7X3/Q9H2K8/Q9UL54
Background: Serine/threonine-protein kinase involved in various processes such as p38/MAPK14 stress-activated MAPK cascade, DNA damage 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.