Anti-Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R010422

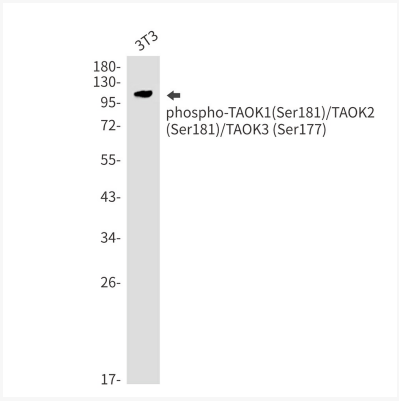
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	46L73M48
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser181 of human TAOK1
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) antibody [46L73M48] is for research use only and not for use in diagnostic or therapeutic procedures.

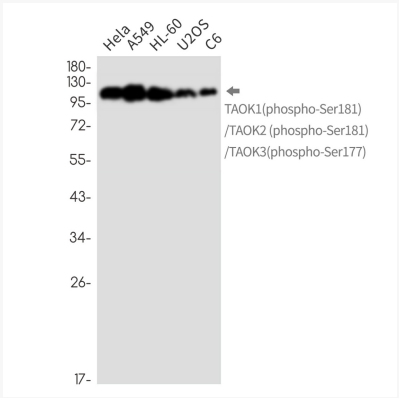
Protein Information

Synonyms	DPK, JIK, hKFC-A, MAP3K18.
Calculated MW	Calculated MW: 116 kDa; Observed MW: 105,116,138 kDa
Uniprot ID	Q7L7X3, Q9H2K8, Q9UL54
Gene ID	51347/57551/9344
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.

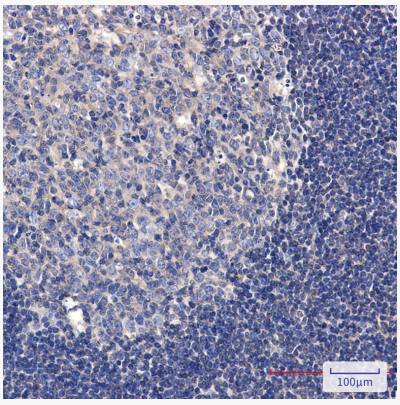
Validation Images



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.



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.