Anti-RPS6KA1/RPS6KA2/RPS6KA3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P104448

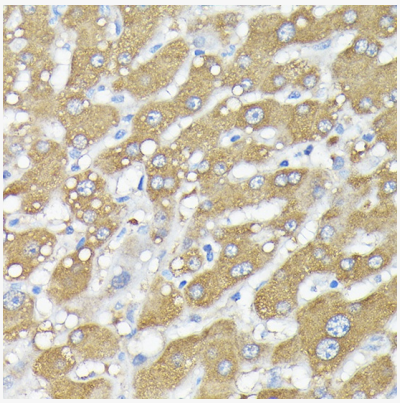
Product Information

Application	WB, IHC-P, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IHC-P 1:50~1:200; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 600-700 of human RPS6KA1/RPS6KA2/RPS6KA3 (NP_002944.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
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-RPS6KA1/RPS6KA2/RPS6KA3 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

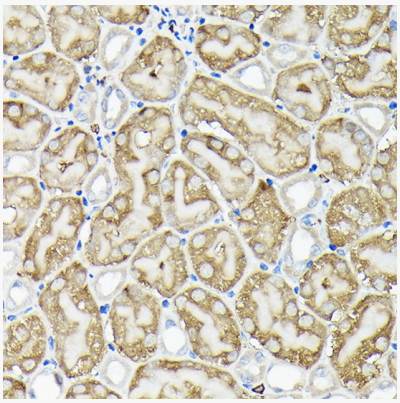
Protein Information

Synonyms	RSK; HU-1; RSK1; p90Rsk; MAPKAPK1; MAPKAPK1A; p90Rsk/RSK1/RPS6KA1; RSK; HU-2; RSK3; p90RSK2; p90-RSK3; pp90RSK3; MAPKAPK1C; S6K-alpha; S6K-alpha2; RPS6KA2; CLS; RSK; HU-3; RSK2; MRX19; ISPK-1; XLID19; p90-RSK2; pp90RSK2; MAPKAPK1B; S6K-alpha3; RPS6KA3.
Calculated MW	Observed MW: 83 kDa
Uniprot ID	Q15418, Q15349, P51812
Gene ID	6195, 6196, 6197
Background	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

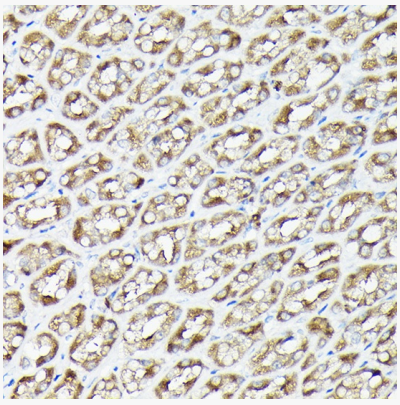
Validation Images



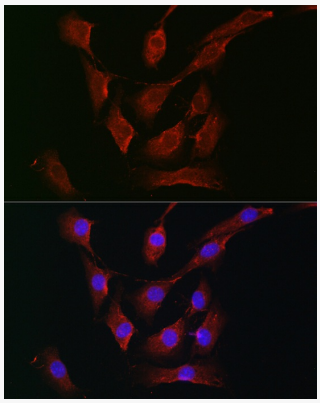
Immunohistochemistry analysis of paraffin-embedded Human liver using RPS6KA1/RPS6KA2/RPS6KA3 Rabbit pAb (P104448) at dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



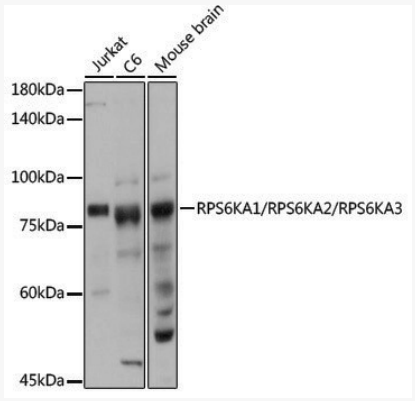
Immunohistochemistry analysis of paraffin-embedded Mouse kidney using RPS6KA1/RPS6KA2/RPS6KA3 Rabbit pAb (P104448) at dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat stomach using RPS6KA1/RPS6KA2/RPS6KA3 Rabbit pAb (P104448) at dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of NIH-3T3 cells using RPS6KA1/RPS6KA2/RPS6KA3 Rabbit pAb (P104448) at dilution of 1:200 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using RPS6KA1/RPS6KA2/RPS6KA3 Rabbit pAb (P104448) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 10s.