

Anti-RPS6KA1/RPS6KA2/RPS6KA3 Rabbit pAb

Purified Rabbit Polyclonal Antibody

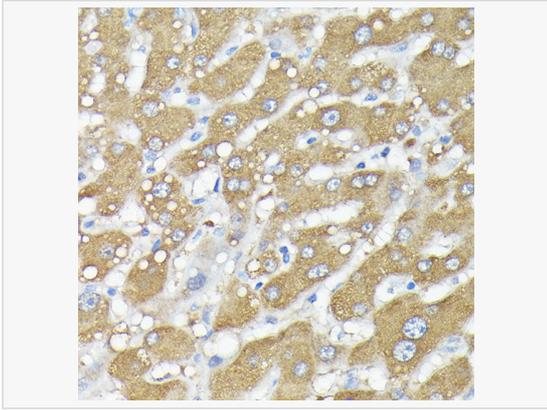
Catalog # P104448

Product Information

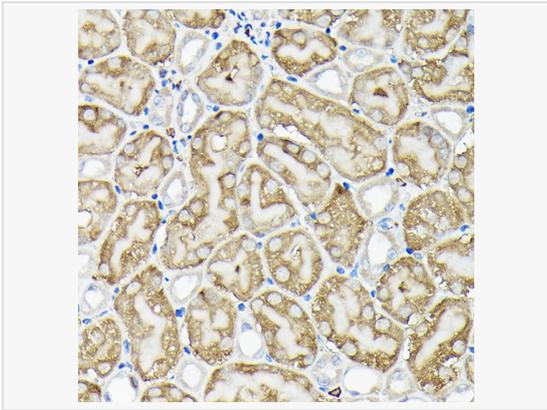
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| Application | WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:500~1:1,000; IHC-P 1:50~1:200; IF 1:50~1:200 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| 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

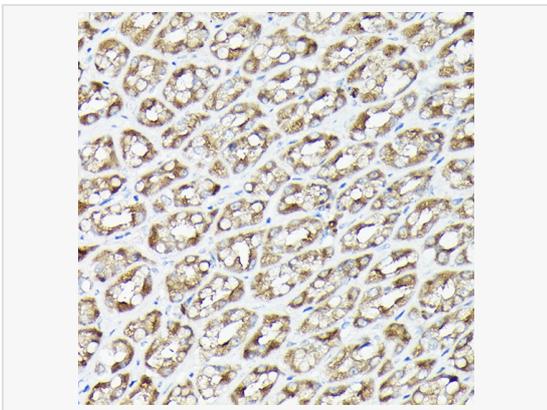
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| Synonyms | RSK; HU-1; RSK1; p90Rsk; MAPKAPK1; MAPKAPK1A; p90Rsk/RSK1/RPS6KA1; RSK; HU-2; RSK3; p90RSK2; p90-RSK3; pp90RSK3; MAPKAPK1C; S6K-alpha; S6K-alpha2; RPS6KA2; CLS; RSK; HU-3; RSK2; MRX19; ISPK-1; XLID19; p90-RSK2; pp90RSK2; MAPKAPK1B; S6K-alpha3; 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. |



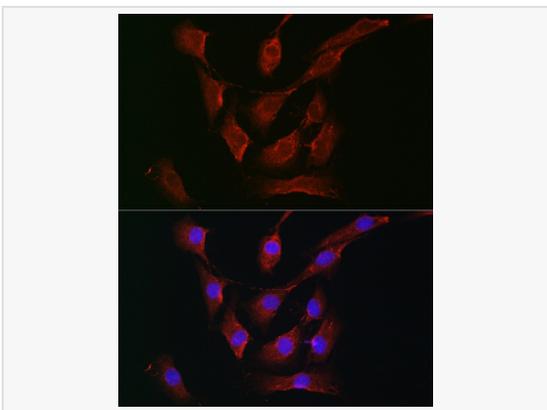
Immunohistochemistry analysis of paraffin-embedded Human liver using RPS6KA1/RPS6KA2/RPS6KA3 Rabbit pAb (P104448) at dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



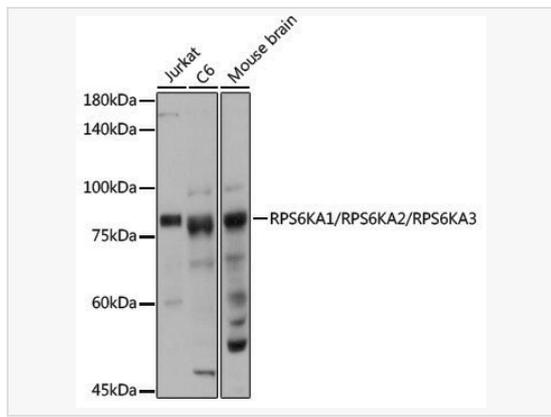
Immunohistochemistry analysis of paraffin-embedded Mouse kidney using RPS6KA1/RPS6KA2/RPS6KA3 Rabbit pAb (P104448) at dilution of 1:200 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



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.