

Rabbit anti-Human RSK2 Polyclonal Antibody | anti-RSK2 antibody

RSK2 Antibody, Rabbit PAb, Antigen Affinity Purified

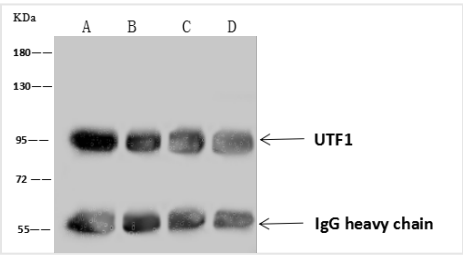
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258270	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

RSK2; Polyclonal Antibody; RSK2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-RSK2 Antibody; Rabbit Polyclonal; ribosomal protein S6 kinase; 90kDa; polypeptide 3; Anti-CLS Antibody; Anti-HU-3 Antibody; Anti-ISPK-1 Antibody; Anti-MAPKAPK1B Antibody; Anti-MRX19 Antibody; Anti-p90-RSK2 Antibody; Anti-pp90RSK2 Antibody; Anti-RSK Antibody; Anti-S6K-alpha3 Antibody; anti-RSK2 antibody

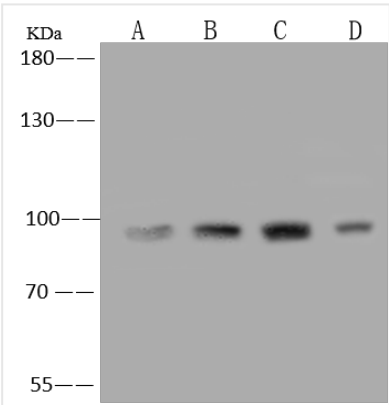
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human, Mouse (Species predicted to react based on 100% sequence homology)
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. 0.2um filtered solution in PBS
Applicable Applications for anti-RSK2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human RSK2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human RSK2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

UTF1 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate Lane B: 0.5 mg MCF7 Whole Cell Lysate Lane C: 0.5 mg HepG2 Whole Cell Lysate Lane D: 0.5 mg 293T Whole Cell Lysate 4 uL anti- UTF1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti- UTF1 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 84kDa Observed band size :95 kDa



WB (Western Blot)

Anti-RSK2 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: MCF-7 Whole Cell Lysate Lane C: HepG2 Whole Cell Lysate Lane D: 293T Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 84 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-RSK2 antibody	Background: Coffin-Lowry syndrome (CLS) is a rare X-linked dominant disorder characterized by intellectual disability, craniofacial abnormalities, short stature, tapering fingers, hypotonia, and skeletal malformations. CLS is caused by mutations in the Ribosomal Protein S6 Kinase, 90 kDa, Polypeptide 3 (RPS6KA3) gene located at Xp22.12, which encodes Ribosomal S6 Kinase 2 (RSK2). This gene encodes for a growth factor-regulated serine/threonine-protein kinase, RSK2 (ribosomal S6 kinase 2), acting in the Ras-mitogen-activated protein kinase signaling pathway. Mutations in the RPS6KA3 gene are extremely heterogeneous and lead to premature termination of translation and/or to loss of phosphotransferase activity of the RSK2 protein. Screening for RSK2 mutations is essential in most cases to confirm the identification as well as for genetic counseling. This gene also affects nonsyndromic X-linked ID and nonsyndromic X-linked ID without bony abnormalities.
References	Nishimoto HK, et al. (2014) The historical coffin-lowry syndrome family revisited: Identification of two novel mutations of rps6ka3 in three male patients. Am J Med Genet A 164a (9): 2172-2179. Matsumoto A, et al. (2013) An xp22.12 microduplication including rps6ka3 identified in a family with variably affected intellectual and behavioral disabilities. J Hum Genet 58 (11): 755-757. Delaunoy JP, et al. (2006) Identification of novel mutations in the rsk2 gene (rps6ka3) in patients with coffin-lowry syndrome. Clin Genet 70 (2): 161-166.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.