

Rabbit anti-Human RPS14 Polyclonal Antibody | anti-RPS14 antibody

Anti-RPS14 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257586	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RPS14; Polyclonal Antibody; Anti-RPS14 Antibody; Rabbit Polyclonal; RPS14 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-EMTB Antibody; Anti-S14 Antibody; ribosomal protein S14; anti-RPS14 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human RPS14
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-RPS14 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human RPS14 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human RPS14 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 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. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IP (Immunoprecipitation)

RPS14 was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate, Lane B: 0.5 mg HepG2 Whole Cell Lysate, Lane C: 0.5 mg HeLa Whole Cell Lysate, Lane D: 0.5 mg Jurkat Whole Cell Lysate. 4 uL anti-RPS14 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-RPS14 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: 17 kDa. Observed band size: 17 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human RPS14 in human brain with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS14 antibody	Background: Ribosomal protein S14 (RPS14) plays a key role in erythropoiesis and causes p53 activation in 5q-syndrome. The ribosomal gene RPS14 is associated with the cancer-prone 5q-syndrome, which is caused by an interstitial deletion of the long arm of human chromosome 5. Haploinsufficiency of the ribosomal protein S14 (RPS14) has been identified as a causal factor in myelodysplastic syndrome (MDS) with isolated del (5q). Previously, scientists found that ribosomal protein S14 (RPS14) binds to and inactivates MDM2, consequently leading to p53-dependent cell-cycle arrest and growth inhibition. RPS14 negates c-Myc functions by directly inhibiting its transcriptional activity and mediating its mRNA degradation via miRNA. Ribosomal protein S14 genes (RPS14) in eukaryotic species from protozoa to primates exhibit dramatically different intron-exon structures yet share homologous polypeptide-coding sequences.
References	Zhou X, et al. (2013) Ribosomal protein s14 negatively regulates c-myc activity. J Biol Chem 288 (30): 21793-21801.Wu L, et al. (2013) Low rps14 expression in mds without 5q - aberration confers higher apoptosis rate of nucleated erythrocytes and predicts prolonged survival and possible response to lenalidomide in lower risk non-5q-patients. Eur J Haematol 90 (6): 486-493.Rhoads DD, et al. (1991) Molecular evolution of the mammalian ribosomal protein gene, rps14. Mol Biol Evol 8 (4): 503-514.

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.

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