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RPS19 Antibody

Rabbit mAb
Catalog # AP91693

Product Information

Application	WB, IHC, IP
Primary Accession	P39019
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	DBA; DBA1; Ribosomal protein S19; rps19; S19;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	16060

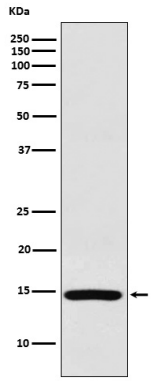
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human RPS19
Description	Required for pre-rRNA processing and maturation of 40S ribosomal subunits.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	RPS19 (HGNC:10402)
Function	Component of the small ribosomal subunit (PubMed: 23636399). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:23636399). Required for pre- rRNA processing and maturation of 40S ribosomal subunits (PubMed:16990592). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797).
Cellular Location	Cytoplasm. Nucleus, nucleolus
Tissue Location	Higher level expression is seen in the colon carcinoma tissue than normal colon tissue

Images



Western blot analysis of RPS19 expression in HeLa cell lysate.

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