

EXOSC4 antibody

Catalog No: #31991

Package Size: #31991-1 50ul #31991-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

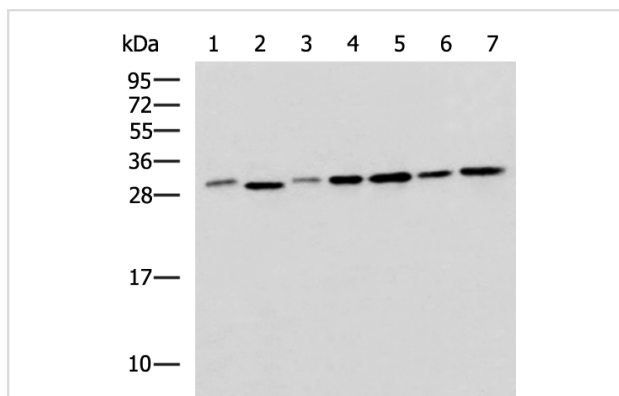
Description

Product Name	EXOSC4 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB, IHC
Species Reactivity	Hu, Ms
Immunogen Description	Fusion protein of human EXOSC4
Target Name	EXOSC4
Other Names	SKI6; p12A; RRP41; Ski6p; RRP41A; Rrp41p; hRrp41p
Accession No.	NCBI Protein#:BC002777
Calculated MW	26 kDa
Concentration	0.8mg/ml
Formulation	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Storage	Store at -20°C/1 year

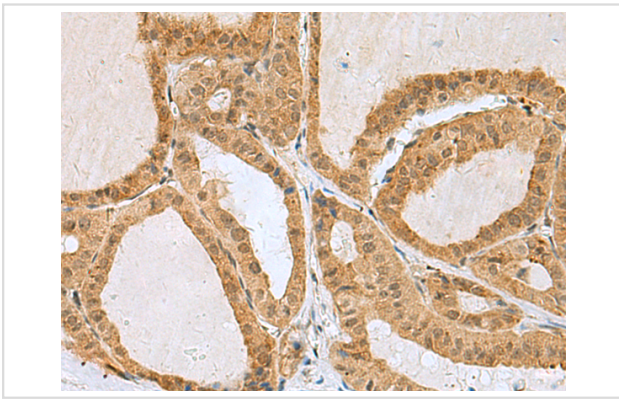
Application Details

WB dilution:1:500-1:2000IHC dilution:1:50-1:200

Images



Gel: 12%SDS-PAGE, Lysate: 40 µg, Lane 1-7: Human fetal liver tissue, RAW264.7, PC-3, 293T, LO2, HeLa and Jurkat cell lysates, Primary antibody:EXOSC4 Antibody at dilution 1/650, Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution, Exposure time: 20 seconds



The image is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using (EXOSC4 Antibody) at dilution 1/50.

Background

Non-catalytic component of the RNA exosome complex which has 3'->5' exoribonuclease activity and participates in a multitude of cellular RNA processing and degradation events. In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snRNA and snoRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream transcripts (PROMPTs), and of mRNAs with processing defects, thereby limiting or excluding their export to the cytoplasm. The RNA exosome may be involved in Ig class switch recombination (CSR) and/or Ig variable region somatic hypermutation (SHM) by targeting AICDA deamination activity to transcribed dsDNA substrates. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs. It seems to be involved in degradation of histone mRNA. The catalytic inactive RNA exosome core complex of 9 subunits (Exo-9) is proposed to play a pivotal role in the binding and presentation of RNA for ribonucleolysis, and to serve as a scaffold for the association with catalytic subunits and accessory proteins or complexes. EXOSC4 binds to ARE-containing RNAs.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.