EXOSC2 antibody

Product Information

Catalog No.:	FNab02902
Size:	100μg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	6E9
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months(Avoid repeated freeze / thaw cycles.)

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. EXOSC2 as peripheral part of the Exo-9 complex stabilizes the hexameric ring of RNase PH-domain subunits through contacts with EXOSC4 and EXOSC7.

Immunogen information

Immunogen:	exosome component 2
Synonyms:	Exosome complex component RRP4|Exosome component 2|Ribosomal RNA-processing protein 4|EXOSC2|RRP4

Observed MW: 33 kDa

Uniprot ID : Q13868

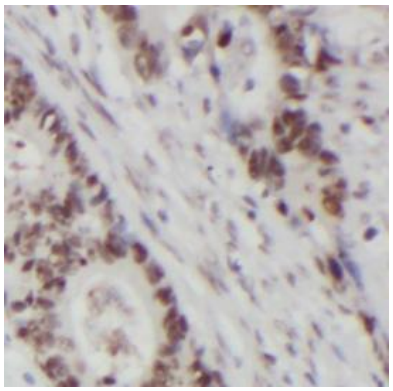
Application

Reactivity: Human

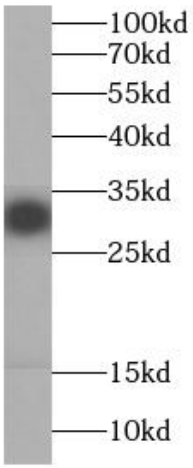
Tested Application: ELISA, WB, IF, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:10-1:100

Image:



Immunohistochemistry of paraffin-embedded human skin cancer slide using FNab02902(EXOSC2 Antibody) at dilution of 1:50



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab02902(EXOSC2 antibody) at dilution of 1:1000