

Datasheet for ABIN6147223 anti-RPS4X antibody (AA 66-263)



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	RPS4X
Binding Specificity:	AA 66-263
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS4X antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 66-263 of human RPS4X (NP_000998.1).
Sequence:	<p>MQRFIKIDGK VRTDITYPAG FMDVISIDKT GENFRLIYDT KGRFAVHRIT PEEAKYKLCK</p> <p>VRKIFVGTKG IPHLVTHDAR TIRYPDLIK VNDTIQIDLE TGKITDFIKF DTGNLCMVTG</p> <p>GANLGRIGVI TNRRHPGSF DVVHVKDANG NSFATRLSNI FVIGKGNKPW ISLPRGKGIR</p> <p>LTIAEERDKR LAAQSSG</p>
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	RPS4X
Alternative Name:	RPS4X (RPS4X Products)
Background:	<p>Cytoplasmic ribosomes, organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes ribosomal protein S4, a component of the 40S subunit. Ribosomal protein S4 is the only ribosomal protein known to be encoded by more than one gene, namely this gene and ribosomal protein S4, Y-linked (RPS4Y). The 2 isoforms encoded by these genes are not identical, but are functionally equivalent. Ribosomal protein S4 belongs to the S4E family of ribosomal proteins. This gene is not subject to X-inactivation. It has been suggested that haploinsufficiency of the ribosomal protein S4 genes plays a role in Turner syndrome, however, this hypothesis is controversial. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.,RPS4X,CCG2,DXS306,RPS4,S4,SCAR,SCR10,X-linked,Epigenetics & Nuclear Signaling,RNA Binding,RPS4X</p>
Molecular Weight:	29 kDa
Gene ID:	6191
UniProt:	P62701

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

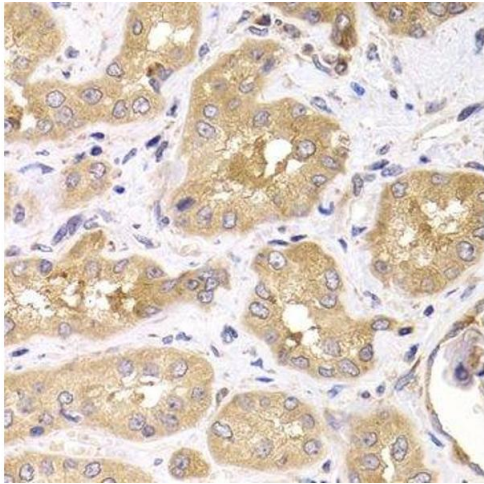
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in: Chen, Zheng, Gao, Lin, Yang, Wang, Wang, Xie, Hua, Liu, Sha, Griswold, Li, Tang, Tong: "Single-cell RNA-seq uncovers dynamic processes and critical regulators in mouse spermatogenesis." in: **Cell research**, Vol. 28, Issue 9, pp. 879-896, (2018) ([PubMed](#)).

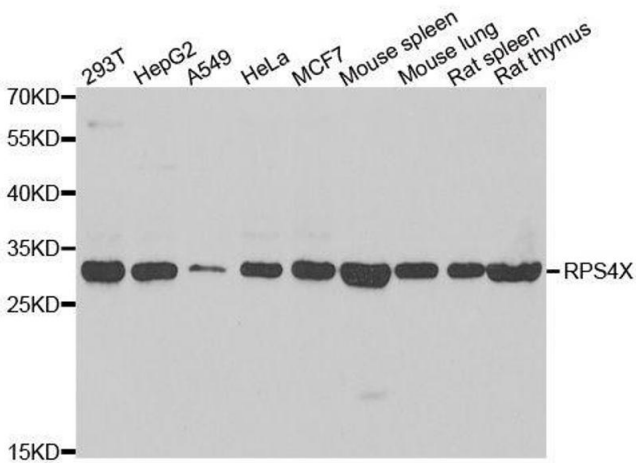
Bai, Fu, Yin, Cui, Yue, Li, Cheng, Tan, Liu, Guo, Zhang, Xie, He, Wang, Feng, Xin, Zhang, Lin, Shen, Sun, Guo, Zheng, Ye: "Sox30 initiates transcription of haploid genes during late meiosis and spermiogenesis in mouse testes." in: **Development (Cambridge, England)**, Vol. 145, Issue 13, (2018) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded human kidney using RPS4X antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using RPS4X antibody.