ELK Biotechnology

Ribosomal Protein S4X rabbit pAb

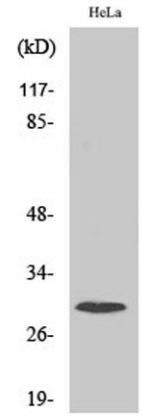
Cat No.:ES3374

For research use only

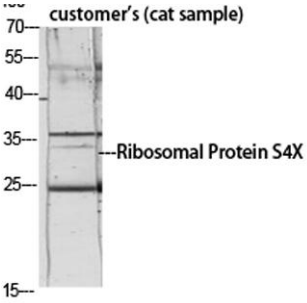
Overview

Product Name	Ribosomal Protein S4X rabbit pAb
Host species	Rabbit
Applications	WB;ELISA;IHC
Species Cross-Reactivity	Human;Mouse;Rat;Cat
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Immunogen	The antiserum was produced against synthesized peptide derived from human RPS4X. AA range:81-130
Specificity	Ribosomal Protein S4X Polyclonal Antibody detects endogenous levels of Ribosomal Protein S4X protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	40S ribosomal protein S4 X isoform
Gene Name	RPS4X
Cellular localization	Cytoplasm . Localized in cytoplasmic mRNP granules containing untranslated mRNAs.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	30kD
Human Gene ID	6191
Human Swiss-Prot Number	P62701
Alternative Names	RPS4X; CCG2; RPS4; SCAR; 40S ribosomal protein S4; X isoform; SCR10; Single copy abundant mRNA protein
Background	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 pseud



Western Blot analysis of various cells using Ribosomal Protein S4X Polyclonal Antibody diluted at 1:1000



Western Blot analysis of customer's (cat sample) using Ribosomal Protein S4X Polyclonal Antibody diluted at 1:1000

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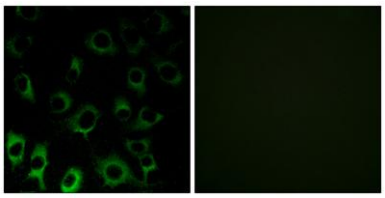
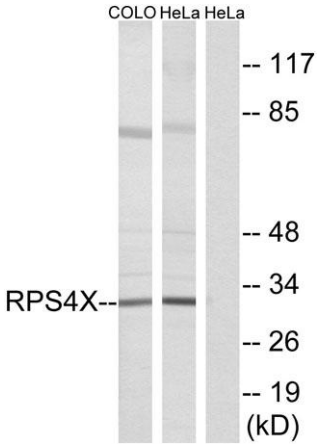
Immunofluorescence analysis of HUVEC cells, using RPS4X Antibody. The picture on the right is blocked with the synthesized peptide.





Western blot analysis of lysates from HeLa and COLO cells, using RPS4X Antibody. The lane on the right is blocked with the synthesized peptide.

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