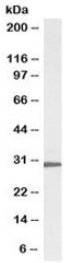
RPL8 Antibody Biotin Conjugate (R34345BTN)

Catalog No.	Formulation	Size
R34345BTN	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Dog, Mouse, Rat
Format	Biotin Conjugate
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	6132
Applications	Western blot: 0.1-0.3ug/ml Immunohistochemistry (FFPE): suitable ELISA (peptide) LOD: 1:128000
Limitations	This RPL8 Antibody Biotin Conjugate is available for research use only.



RPL8 Antibody Biotin Conjugate WB. Western blot testing of HepG2 cell lysate with biotinylated RPL8 antibody at 0.3ug/ml. Predicted molecular weight: ~28 kDa.

Description

RPL8 Antibody Biotin Conjugate is designed for the detection of Ribosomal Protein L8 (RPL8), a highly conserved structural component of the 60S large ribosomal subunit that plays an essential role in cellular protein synthesis. RPL8 participates in ribosome assembly and translational function, helping coordinate the conversion of messenger RNA into functional proteins required for cellular growth, differentiation, metabolism, and maintenance. Because protein synthesis

is fundamental to virtually all biologic processes, RPL8 is broadly expressed across tissues and cell types and serves as an important marker of ribosome-associated activity.

As a component of the translational machinery, RPL8 contributes to the structural integrity and functional performance of the large ribosomal subunit. Efficient protein production is required to support normal cellular physiology, developmental processes, tissue homeostasis, and adaptive responses to environmental stimuli. Consequently, RPL8 is frequently investigated in studies of ribosome biology, translational regulation, cellular metabolism, developmental biology, and growth control.

Biotin conjugation enables sensitive detection and flexible assay design through the high-affinity interaction between biotin and streptavidin. Biotinylated antibodies are widely used in immunohistochemistry, ELISA, immunocytochemistry, flow cytometry, western blotting, and other detection platforms that employ streptavidin-based visualization or signal amplification systems. This approach can improve assay versatility while supporting sensitive target detection across a variety of experimental formats.

RPL8 Antibody Biotin Conjugate is useful for investigating protein synthesis pathways, ribosome function, translational machinery, and cellular biosynthetic activity. Researchers commonly utilize RPL8 detection when studying cellular growth, developmental processes, metabolic regulation, and mechanisms that influence protein production. The highly conserved nature of RPL8 and its central role in ribosome biology make it a valuable target for basic research and translational studies involving gene expression and cellular function.

This biotin-conjugated RPL8 antibody provides a convenient tool for detecting Ribosomal Protein L8 in applications that utilize streptavidin-based detection systems. It supports studies of protein synthesis, ribosome biology, translational regulation, cellular metabolism, and tissue homeostasis while offering the flexibility associated with biotin-streptavidin assay methodologies.

Learn more about RPL8 function in protein synthesis, ribosome activity, translational regulation, and cellular growth on our RPL8 Antibody page.

Application Notes

Optimal dilution of the RPL8 Antibody Biotin Conjugate should be determined by the researcher.

Immunogen

Amino acids KAGRAYHKYKAKRNC were used as the immunogen for this RPL8 antibody.

Storage

Aliquot and store the RPL8 antibody at -20oC.

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