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Datasheet for ABIN7142745 anti-RPL13A antibody (AA 63-190) (Biotin)

Overview

Quantity:	100 µg
Target:	RPL13A
Binding Specificity:	AA 63-190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPL13A antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human 60S ribosomal protein L13a protein (63-190AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	RPL13A
Alternative Name:	RPL13A (RPL13A Products)
Background:	Background: Associated with ribosomes but is not required for canonical ribosome function and has extra-ribosomal functions. Component of the GAIT (gamma interferon-activated

Target Details

inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma activation and subsequent phosphorylation dissociates from the ribosome and assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation. In the GAIT complex interacts with m7G cap-bound eIF4G at or near the eIF3-binding site and blocks the recruitment of the 43S ribosomal complex. Involved in methylation of rRNA.

Aliases: RPL13A antibody, 60S ribosomal protein L13a antibody, 23 kDa highly basic protein antibody, Large ribosomal subunit protein uL13 antibody

UniProt: [P40429](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.