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Datasheet for ABIN7174406

anti-RPS27A antibody (AA 16-56) (Biotin)

Overview

Quantity:	100 µg
Target:	RPS27A
Binding Specificity:	AA 16-56
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS27A antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Ubiquitin-40S ribosomal protein S27a protein (16-56AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	RPS27A
Alternative Name:	RPS27A (RPS27A Products)
Background:	Background: Ubiquitin: Exists either covalently attached to another protein, or free (unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond

Target Details

either as a monomer (monoubiquitin), a polymer linked via different Lys residues of the ubiquitin (polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin (linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-6-linked may be involved in DNA repair, Lys-11-linked is involved in ERAD (endoplasmic reticulum-associated degradation) and in cell-cycle regulation, Lys-29-linked is involved in lysosomal degradation, Lys-33-linked is involved in kinase modification, Lys-48-linked is involved in protein degradation via the proteasome, Lys-63-linked is involved in endocytosis, DNA-damage responses as well as in signaling processes leading to activation of the transcription factor NF-kappa-B. Linear polymer chains formed via attachment by the initiator Met lead to cell signaling. Ubiquitin is usually conjugated to Lys residues of target proteins, however, in rare cases, conjugation to Cys or Ser residues has been observed. When polyubiquitin is free (unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling.

Aliases: RPS27A antibody, UBA80 antibody, UBCEP1 antibody, Ubiquitin-40S ribosomal protein S27a antibody, Ubiquitin carboxyl extension protein 80) [Cleaved into: Ubiquitin, 40S ribosomal protein S27a antibody, Small ribosomal subunit protein eS31]] antibody

UniProt: [P62979](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Toll-Like Receptors Cascades](#), [Synthesis of DNA](#), [EGFR Downregulation](#)

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.

Handling

Storage: -20 °C, -80 °C

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