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RIMBP3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16969a

Product Information

Application	WB, E
Primary Accession	Q9UFD9
Other Accession	A6NJZ7, A6NNM3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36641
Calculated MW	180717
Antigen Region	180-209

Additional Information

Gene ID	85376
Other Names	RIMS-binding protein 3A, RIM-BP3A, RIMS-binding protein 31, RIM-BP31, RIMBP3, KIAA1666, RIMBP3A
Target/Specificity	This RIMBP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 180-209 amino acids from the N-terminal region of human RIMBP3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RIMBP3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

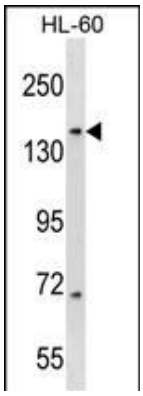
Name	RIMBP3
Synonyms	KIAA1666, RIMBP3A
Function	Probable component of the manchette, a microtubule-based structure

	which plays a key role in sperm head morphogenesis during late stages of sperm development.
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q3V0F0}. Note=In elongating spermatids, localizes to the manchette. {ECO:0000250|UniProtKB:Q3V0F0}

Background

RIM-binding proteins (RIMBPs) serve as adaptors during vesicle fusion and release by forming links between synaptic-vesicle fusion apparatuses and calcium channels. RIMBP3 has been identified as a novel manchette-associated protein, and three members of RIMBP3 are known to exist: RIMBP3A, RIMBP3B and RIMBP3C. Each form of RIMBP3 exists as a large multidomain protein encoding three SH3-domains and two to three fibronectin III repeats. RIMBP3 plays a role in spermatid development and is required for normal sperm morphology and male fertility. RIMBP3 is found at high levels outside of the nervous system, with especially high expression in testis. RIMBP3C (RIMS binding protein 3C), also known as RIMBP3.3, or RIM-BP3.3, is a 1545 amino acid protein.

Images



RIMBP3 Antibody (N-term) (Cat. #AP16969a) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the RIMBP3 antibody detected the RIMBP3 protein (arrow).