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Anti-ACTL7A Antibody (aa1-435)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18564

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9Y615
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	48644

Additional Information

Gene ID	10881
Alias Symbol	ACTL7A
Other Names	ACTL7A, Actin-like 7-alpha, Actin-like 7A, Actin-like protein 7A, Actin-like-7-alpha
Target/Specificity	Human ACTL7A
Reconstitution & Storage	Caprylic acid and ammonium sulfate precipitation
Precautions	Anti-ACTL7A Antibody (aa1-435) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ACTL7A
Function	Essential for normal spermatogenesis and male fertility. Required for normal sperm head morphology, acroplaxome formation, acrosome attachment, and acrosome granule stability. May anchor and stabilize acrosomal adherence to the acroplaxome at least in part by facilitating the presence of F-actin in the subacrosomal space (By similarity). May play an important role in formation and fusion of Golgi-derived vesicles during acrosome biogenesis (PubMed:32923619).
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9QY84}. Golgi apparatus {ECO:0000250|UniProtKB:Q9QY84}. Cytoplasm {ECO:0000250|UniProtKB:Q9QY84}. Nucleus {ECO:0000250|UniProtKB:Q9QY84} Cytoplasmic vesicle, secretory vesicle, acrosome Note=Detected at the Golgi apparatus during acrosome biogenesis Detected at the subacrosomal layer in round spermatids. Detected in sperm

	head and tail. {ECO:0000250|UniProtKB:Q9QY84}
Tissue Location	Strongly expressed in testis. Also expressed in other tissues.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.