

For Research Use Only

ART3 Recombinant monoclonal antibody

Catalog Number: 87108-1-RR



Basic Information

Catalog Number: 87108-1-RR	GenBank Accession Number: BC008397	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 419	CloneNo.: 252232A3
Source: Rabbit	UNIPROT ID: Q13508	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: ADP-ribosyltransferase 3	
Immunogen Catalog Number: AG8775	Calculated MW: 389 aa, 44 kDa	
	Observed MW: 38-47 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse testis tissue,
Species Specificity: human, mouse	

Background Information

ART3 is a GPI-anchored mono-ADP-ribosyltransferase enriched on the sperm cell surface, where it participates in spermatid maturation and membrane remodeling. Localized to lipid rafts, ART3 likely modulates cell-cell signaling and extracellular protein modification. Its upregulation in multiple cancers suggests additional roles in migration, invasion, and tumor aggressiveness. Despite incomplete characterization of its enzymatic activity, ART3 remains a key regulator at the interface of reproductive biology, membrane signaling, and pathology.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

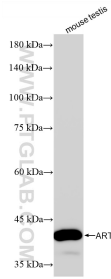
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

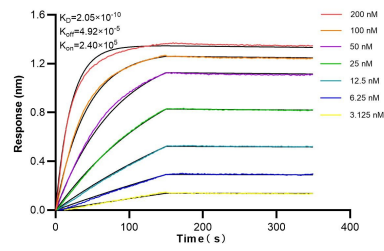
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 87108-1-RR (ART3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87108-1-RR against Human ART3 were performed. The affinity constant is 0.205 nM.