For Research Use Only

ART3 Recombinant monoclonal antibody, PBS Only

Catalog Number:87108-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
87108-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8775

GenBank Accession Number:
BC008397

GeneID (NCBI):
419

UNIPROT ID:
Q13508

Full Name:
ADP-ribosyltransferase 3

Calculated MW:
389 aa, 44 kDa

Observed MW:
38-47 kDa

Purification Method:
Protein A purification

CloneNo.:
252232A3

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

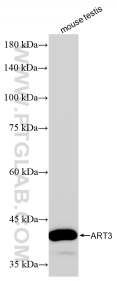
ART3 is a GPI-anchored mono-ADP-ribosyltransferase enriched on the sperm cell surface, where it participates in spermatid maturation and membrane remodeling. Localized to lipid rafts, ART3 likely modulates cell-cell signaling and extracellular protein modification. Its upregulation in multiple cancers 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

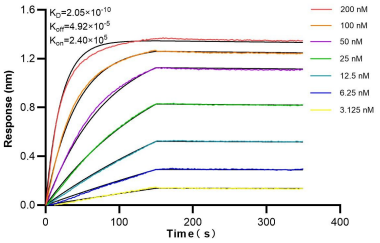
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

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. This data was developed using the same antibody clone with 87108-1-PBS in a different storage buffer formulation.



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