

ARMC3 (Cancer/testis antigen 81) Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) **Catalog # AP58812**

Specification

ARMC3 (Cancer/testis antigen 81) Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession 05W041 Reactivity Rat, Pig, Dog Host Rabbit Clonality **Polyclonal** Calculated MW **96 KDa Physical State** Liquid

Immunogen KLH conjugated synthetic peptide derived

from human ARMC3 (Cancer/testis antigen

81)

752-840/872 **Epitope Specificity**

Isotype laG

Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol. **SIMILARITY** Contains 12 ARM repeats.

This product as supplied is intended for Important Note

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

affinity purified by Protein A

ARMC3 contains 12 ARM repeats. ARM (Armadillo/beta-catenin-like) domains are imperfect 45-amino acid repeats involved in protein-protein interactions. ARM domain-containing proteins, such as ARMC3, function in signal transduction, development, cell adhesion and mobility, and tumor initiation and metastasis. The specific function of ARMC3 is not yet known.

ARMC3 (Cancer/testis antigen 81) Polyclonal Antibody - Additional Information

Gene ID 219681

Other Names

Armadillo repeat-containing protein 3, Beta-catenin-like protein, Cancer/testis antigen 81, CT81, KU-CT-1, ARMC3

Target/Specificity

Isoform 2 is expressed in skeletal muscle, brain, lung, kidney, prostate and testis. Isoform 3 is mainly expressed in skeletal muscle, liver, spleen and thymus. Expressed in many cancer tissues and cell lines.

Dilution

IHC-P~~N/A<br \><span class</pre> ="dilution IHC-F">IHC-F~~N/A<br \><span class



="dilution IF">IF \sim 1:50 \sim 200
span class ="dilution E">E \sim N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

ARMC3 (Cancer/testis antigen 81) Polyclonal Antibody - Protein Information

Name ARMC3

Function

Essential for male fertility and sperm motility (By similarity). During spermatogenesis, promotes the autophagic degradation of excessive ribosomes, providing energy resources for mitochondria and thus ensuring sperm flagellar motility (PubMed:34428398).

Tissue Location

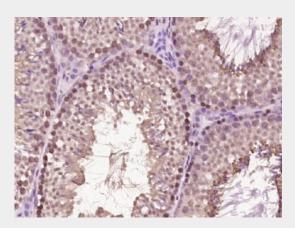
[Isoform 1]: Expressed in skeletal muscle, brain, lung, kidney, prostate and testis. [Isoform 5]: Expressed only in the testis among normal tissues but is expressed frequently in various cancer tissues and, particularly, in pancreatic, lung and endometrial cancers

ARMC3 (Cancer/testis antigen 81) Polyclonal Antibody - Protocols

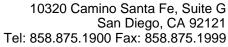
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ARMC3 (Cancer/testis antigen 81) Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ARMC3





(Cancertestis antigen 81)) Polyclonal Antibody, Unconjugated (bs-7969R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.