

Datasheet for ABIN652872
anti-DZIP1 antibody (AA 568-596)



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Overview

Quantity:	400 µL
Target:	DZIP1
Binding Specificity:	AA 568-596
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DZIP1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This DZIP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 568-596 amino acids from the Central region of human DZIP1.
Clone:	RB23724
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DZIP1
Alternative Name:	DZIP1 (DZIP1 Products)

Target Details

Background:	DZIP1 may participate in spermatogenesis via its interaction with DAZ. Isoform 1 and isoform 2 interact with DAZ proteins. DZIP1 may also participate in a RNA-binding complex that functions in both ES cells and germ cells. There are three named isoforms.
Molecular Weight:	98664
Gene ID:	22873
NCBI Accession:	NP_055749 , NP_945319
UniProt:	Q86YF9
Pathways:	Hedgehog Signaling , Protein targeting to Nucleus

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Zhang, Wang, Xu, Yang, Zhuang, Wang, Ren, Cheng, Jiang, Zhang: "DAZ-interacting Protein 1 (Dzip1) Phosphorylation by Polo-like Kinase 1 (Plk1) Regulates the Centriolar Satellite Localization of the BBSome Protein during the Cell Cycle." in: The Journal of biological chemistry , Vol. 292, Issue 4, pp. 1351-1360, (2017) (PubMed).
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Zhang, Zhang, Wang, Wang, Chi, Jiang, Zhang: "GSK3?-Dzip1-Rab8 cascade regulates ciliogenesis after mitosis." in: **PLoS biology**, Vol. 13, Issue 4, pp. e1002129, (2015) ([PubMed](#)).

Images

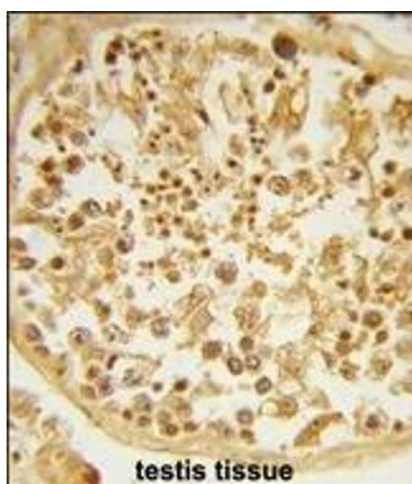
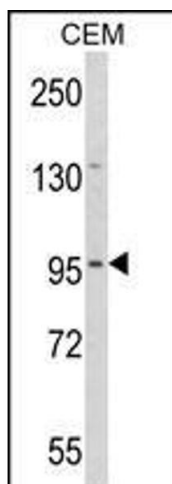
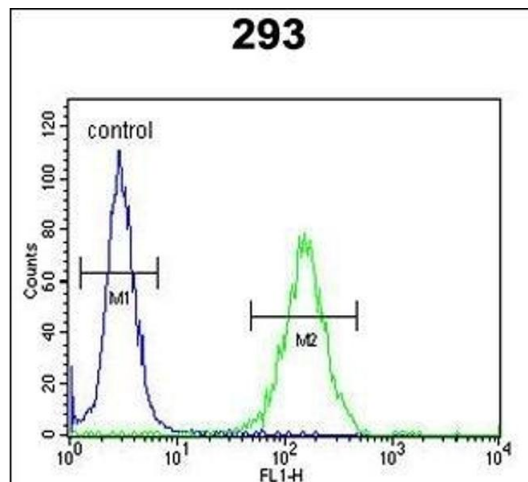
**Flow Cytometry**

Image 1. DZIP1 Antibody (Center) (ABIN652872 and ABIN2842565) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of DZIP1 Antibody (Center) (ABIN652872 and ABIN2842565) in CEM cell line lysates (35 µg/lane). DZIP1 (arrow) was detected using the purified Pab.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human testis tissue reacted with DZIP1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.