Product Name: KO-Validated DAZAP1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00132
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 43.4kDa

Antigen Information

Gene Name	DAZAP1
Alternative Names	DAZAP1; DAZ Associated Protein 1; Deleted In Azoospermia-Associated Protein 1; DAZ-Associated Protein 1; MGC19907; Deleted In Azoospermia Associated Protein 1; Testicular Tissue Protein Li 50
Gene ID	26528.0
SwissProt ID	Q96EP5
Immunogen	A synthesized peptide derived from human DAZAP1

Background

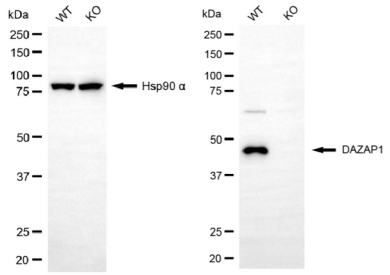
In mammals, the Y chromosome directs the development of the testes and plays an important role in spermatogenesis. A high percentage of infertile men have deletions that map to regions of the Y chromosome. The DAZ (deleted in azoospermia) gene

cluster maps to the AZFc region of the Y chromosome and is deleted in many azoospermic and severely oligospermic men. It is thought that the DAZ gene cluster arose from the transposition, amplification, and pruning of the ancestral autosomal gene DAZL also involved in germ cell development and gametogenesis. This gene encodes a RNA-binding protein with two RNP motifs that was originally identified by its interaction with the infertility factors DAZ and DAZL. Two isoforms are encoded by transcript variants of this gene. [provided by RefSeq, Jul 2008]

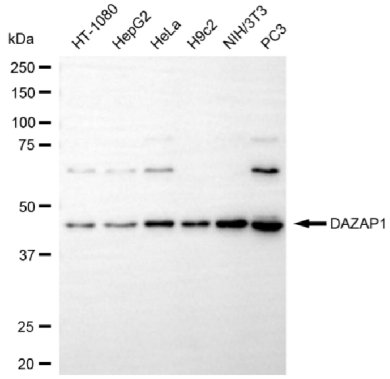
Research Area

Epigenetics and Nuclear Signaling

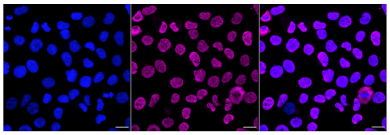
Image Data



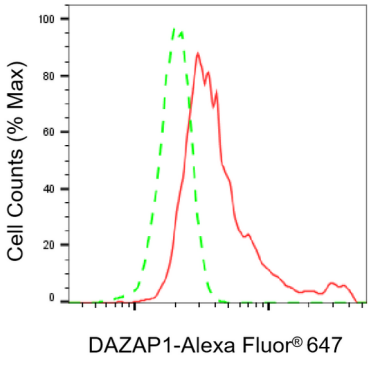
Western blotting analysis using DAZAP1 antibody (KVAb00132). DAZAP1 expression in wild type (WT) and DAZAP1 knockout (KO) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DAZAP1 antibody (KVAb00132, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using DAZAP1 antibody (KVAb00132). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DAZAP1 antibody (KVAb00132, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with DAZAP1 antibody (KVAb00132, 1:1,000). Nuclei were stained blue with DAPI; DAZAP1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of DAZAP1 expression in HeLa cells using DAZAP1 antibody (KVAb00132, 1:2,000). Green, isotype control; red, DAZAP1.