DAZAP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DAZAP2, Polyclonal Antibody
Full Product Name	DAZAP2, CT (DAZAP2, KIAA0058, DAZ-associated protein 2, Deleted in azoospermia-associated protein 2) (MaxLight 490)
Product Gene Name	anti-DAZAP2 antibody
Product Synonym Names	DAZAP2; KIAA0058; DAZ-associated protein 2; Deleted in azoospermia-associated protein 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	17,319 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (51632508..51640501). Location: 12q12
OMIM	607431
3D Structure	ModBase 3D Structure for Q15038
Immunogen	DAZAP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 118~147 amino acids from the C-terminal region of human DAZAP2.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-DAZAP2 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-DAZAP2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-DAZAP2 antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-DAZAP2 antibody	DAZAP2 encodes a proline-rich protein which interacts with the deleted in azoospermia (DAZ) and the deleted in azoospermia-like gene through the DAZ-like repeats. This protein also interacts with the transforming growth factor-beta signaling molecule SARA (Smad anchor for receptor activation), eukaryotic initiation factor 4G, and an E3 ubiquitinase that regulates its stability in splicing factor containing nuclear speckles. The encoded protein may function in various biological and pathological processes including spermatogenesis, cell signaling and transcription regulation, formation of stress granules during translation arrest, RNA splicing, and pathogenesis of multiple myeloma.

Product References and Citations for anti-DAZAP2 antibody	Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009). Kim, J.E., et al. Mol. Cell. Biol. 28(2):803-813(2008). Shi, Y.W., et al. Chin. Med. J. 120(19):1659-1665(2007).
Other Notes	Small volumes of anti-DAZAP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DAZAP2 purchase	MBS6290898 is an antibody targeting DAZAP2. Also known as DAZAP2, CT (DAZAP2, KIAA0058, DAZ-associated protein 2, Deleted in azoospermia-associated protein 2) (MaxLight 490). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DAZAP2. It may not necessarily be applicable to this product.

NCBI GI #	211904145
NCBI GeneID	9802
NCBI Accession #	NP_001129740.1
UniProt Primary Accession #	Q15038
UniProt Secondary Accession #	A8K254; B4DDT5; B4E1G3; C9JA96; C9JP84; F8VU62
UniProt Related Accession #	Q15038
GenBank Nucleotide #	NM_001136268.1
NCBI Official Full Name	DAZ-associated protein 2 isoform e
NCBI Official Synonym Full Names	DAZ associated protein 2
NCBI Official Symbol	DAZAP2
NCBI Official Synonym Symbols	PRTB
UniProt Protein Name	DAZ-associated protein 2
UniProt Synonym Protein Names	Deleted in azoospermia-associated protein 2
Protein Family	DAZ-associated protein
UniProt Gene Name	DAZAP2
UniProt Synonym Gene Names	KIAA0058
UniProt Entry Name	DAZP2_HUMAN
NCBI Protein Information	DAZ-associated protein 2; proline-rich transcript in brain; deleted in azoospermia associated protein 2; deleted in azoospermia-associated protein 2; proline-rich transcript, brain-expressed protein
NCBI Summary for DAZAP2	This gene encodes a proline-rich protein which interacts with the deleted in azoospermia (DAZ) and the deleted in azoospermia-like gene through the DAZ-like repeats. This protein also interacts with the transforming growth factor-beta signaling molecule SARA (Smad anchor for receptor activation), eukaryotic initiation factor 4G, and an E3 ubiquitinase that regulates its stability in splicing factor containing nuclear speckles. The encoded protein may function in various biological and pathological processes including spermatogenesis, cell signaling and transcription regulation, formation of stress granules during translation arrest, RNA splicing, and pathogenesis of multiple myeloma. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

UniProt Comments for DAZAP2	DAZAP2: 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 12q12 Cellular Component: cytoplasm; nucleus Molecular Function: protein binding; WW domain binding
Research Articles on DAZAP2	**1.** methylation of DAZAP2 promoter was involved in downregulation of DAZAP2 in multiple myeloma cells.
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