

For Research Use Only

CoraLite®594-conjugated DDX4, VASA Monoclonal antibody



Catalog Number: CL594-67147 **1 Publications**

Basic Information

Catalog Number: CL594-67147	GenBank Accession Number: BC047455	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 54514	CloneNo.: 1F12C3
Source: Mouse	Full Name: DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 690aa, 76 kDa; 724aa, 79 kDa	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
Immunogen Catalog Number: AG11630	Observed MW: 80 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : mouse testis tissue,
Cited Applications: IF	
Species Specificity: Human, mouse	
Cited Species: mouse	

Background Information

DEAD box proteins are characterized by nine conserved sequence motifs located on two functional domains. Domain I contains six of these motifs, including the Q motif and the Walker A motif, motifs Ia and Ib, the Walker B motif, and motif III, which may act to link ATPase and helicase activities of the protein [PMID:21653890]. DDX4, a member of the DEAD box family of ATP-dependent RNA helicases, plays a central role in several aspects of germ cell development. Its function is not only required during gametogenesis in the adult but is also essential for the specification of the germ cell lineage during embryogenesis [PMID:20016130].

Notable Publications

Author	Pubmed ID	Journal	Application
Feng Chen	36001358	Biol Reprod	IF

Storage

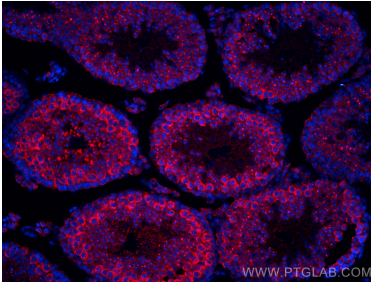
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite®594 DDX4/VASA antibody (CL594-67147, Clone: 1F12C3) at dilution of 1:200.