

For Research Use Only

# CoraLite® Plus 488-conjugated DDX4, VASA Monoclonal antibody



Catalog Number: CL488-67147 **1 Publications**

## Basic Information

<b>Catalog Number:</b> CL488-67147	<b>GenBank Accession Number:</b> BC047455	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54514	<b>CloneNo.:</b> 1F12C3
<b>Source:</b> Mouse	<b>Full Name:</b> DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 690aa, 76 kDa; 724aa, 79 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG11630	<b>Observed MW:</b> 80 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : mouse testis tissue,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> Human, mouse	
<b>Cited Species:</b> 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
Xue Zhang	37346174	Front Cell Dev Biol	IF

## Storage

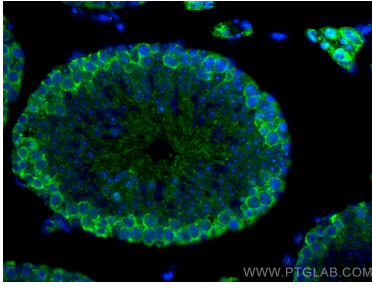
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite® Plus 488 DDX4,VASA antibody (CL488-67147, Clone: 1F12C3 ) at dilution of 1:200.