

For Research Use Only

# CoraLite®594-conjugated DDX1 Monoclonal antibody



Catalog Number:CL594-67991

## Basic Information

<b>Catalog Number:</b> CL594-67991	<b>GenBank Accession Number:</b> BC012132	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1653	<b>CloneNo.:</b> 1G10G4
<b>Source:</b> Mouse	<b>Full Name:</b> DEAD (Asp-Glu-Ala-Asp) box polypeptide 1	<b>Recommended Dilutions:</b> IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 740 aa, 82 kDa	<b>Excitation/Emission maxima wavelengths:</b> 594 nm / 615 nm
<b>Immunogen Catalog Number:</b> AG16774	<b>Observed MW:</b> 82 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : HeLa cells,
<b>Species Specificity:</b> Human, mouse, rat	

## Background Information

DDX1 is a DEAD box protein, which is putative RNA helicases with a characteristic asp-glu-ala-asp (DEAD) box motif. DEAD box proteins involve in translation initiation, splicing, and ribosome and spliceosome assembly by altering RNA secondary structure. As a RNA helicase, DDX1 has a role in RNA clearance at DNA double-strand breaks (DSBs), thereby facilitating the template-guided repair of transcriptionally active regions of the genome.

## Storage

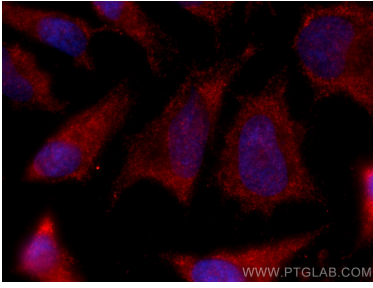
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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 (-20°C Methanol) fixed HeLa cells using CoraLite®594 DDX1 antibody (CL594-67991, Clone: 1G10G4) at dilution of 1:400.