

For Research Use Only

# EXO1 Monoclonal antibody

Catalog Number: 68536-1-Ig



## Basic Information

<b>Catalog Number:</b> 68536-1-Ig	<b>GenBank Accession Number:</b> BC007491	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 9156	<b>CloneNo.:</b> 2D11D1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9UQ84	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> exonuclease 1	
<b>Immunogen Catalog Number:</b> AG9253	<b>Calculated MW:</b> 94 kDa	
	<b>Observed MW:</b> 115-120 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : SH-SY5Y cells, HeLa cells, HEK-293T cells, MOLT-4 cells, TF-1 cells, K-562 cells
<b>Species Specificity:</b> Human	

## Background Information

EXO1, also named as HEX1, is a 846 amino acid protein, which belongs to the XPG/RAD2 endonuclease family. EXO1 subfamily. EXO1 is highly expressed in bone marrow, testis and thymus and at lower levels in colon, lymph nodes, ovary, placenta, prostate, small intestine, spleen and stomach. EXO1 as 5'->3' double-stranded DNA exonuclease, which may also possess a cryptic 3'->5' double-stranded DNA exonuclease activity. EXO1 functions in DNA mismatch repair (MMR) to excise mismatch-containing DNA tracts directed by strand breaks located either 5' or 3' to the mismatch. The calculated molecular weight of EXO1 is 94 kDa, but the modified EXO1 protein is about 115 kDa.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

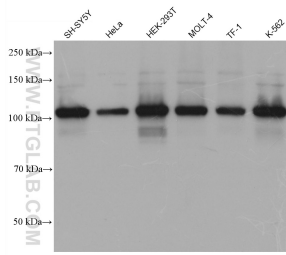
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68536-1-Ig (EXO1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.