

For Research Use Only

# GEN1 Monoclonal antibody

Catalog Number: 68060-1-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 68060-1-Ig	<b>GenBank Accession Number:</b> NM_182625	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 348654	<b>CloneNo.:</b> 1A10D10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q17RS7	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> Gen homolog 1, endonuclease (Drosophila)	
<b>Immunogen Catalog Number:</b> AG31247	<b>Calculated MW:</b> 103 kDa	
	<b>Observed MW:</b> 98-100 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> HEK-293 cells, A549 cells, U2OS cells, K-562 cells, Daudi cells

## Background Information

GEN1 is an endonuclease which resolves Holliday junctions (HJs) by the introduction of symmetrically related cuts across the junction point, to produce nicked duplex products in which the nicks can be readily ligated. GEN1 efficiently cleaves both single and double HJs contained within large recombination intermediates.

## 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:

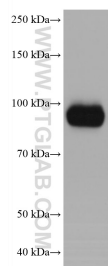
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

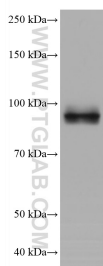
W: [ptgcn.com](http://ptgcn.com)

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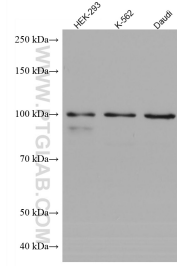
Selected Validation Data



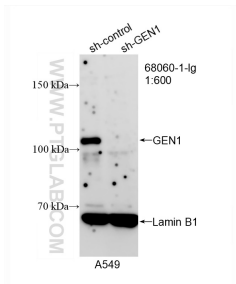
U2OS cells were subjected to SDS PAGE followed by western blot with 68060-1-Ig (GEN1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



A549 cells were subjected to SDS PAGE followed by western blot with 68060-1-Ig (GEN1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68060-1-Ig (GEN1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of GEN1 antibody (68060-1-Ig; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-GEN1 transfected A549 cells.