

Datasheet for ABIN6141058  
**anti-GEN1 antibody (AA 669-908)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	GEN1
Binding Specificity:	AA 669-908
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GEN1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 669-908 of human GEN1 (NP_872431.3).
Sequence:	LQDLPLKERI FTKLSYPQDN LQPDVNLKTL SILSVKESCI ANSGSDCTSH LSKDLPGIPL QNESRDSKIL KGDQLLEDY KVNTSVPYSV SNTVVKTCNV RPPNTALDHS RKVDMQTTRK ILMKKSVCLD RHSSDEQSAP VFGKAKYTTQ RMKHSSQKHN SSHFKESGHN KLSSPKIHIIK ETEQCVRSEY TAENEESCFP DSTKSSLSSL QCHKKENNSG TCLDSPLPLR QRLKLRFAQST
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

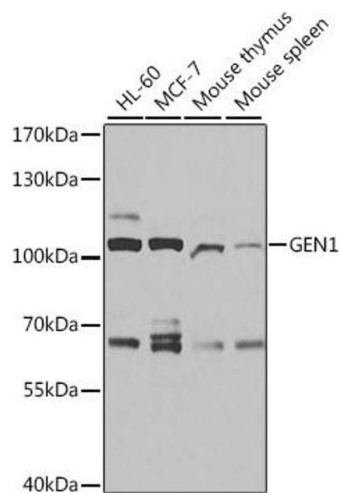
Target:	GEN1
Alternative Name:	GEN1 ( <a href="#">GEN1 Products</a> )
Background:	This gene encodes a member of the Rad2/xeroderma pigmentosum group G nuclease family, whose members are characterized by N-terminal and internal xeroderma pigmentosum group G nuclease domains followed by helix-hairpin-helix domains and disordered C-terminal domains. The protein encoded by this gene is involved in resolution of Holliday junctions, which are intermediate four-way structures that covalently link DNA during homologous recombination and double-strand break repair. The protein resolves Holliday junctions by creating dual incisions across the junction to produce nicked duplex products that can be ligated. In addition, this protein has been found to localize to centrosomes where it has been implicated in regulation of centrosome integrity. Alternative splicing results in multiple transcript variants.,GEN1,Gen,Epigenetics & Nuclear Signaling,DNA Damage & Repair,GEN1
Molecular Weight:	102 kDa
Gene ID:	348654
UniProt:	<a href="#">Q17RS7</a>
Pathways:	<a href="#">DNA Damage Repair</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using GEN1 antibody (ABIN6133334, ABIN6141058, ABIN6141059 and ABIN6214098) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.