

For Research Use Only

# EXO1 Polyclonal antibody

Catalog Number: 16253-1-AP

Featured Product

7 Publications



## Basic Information

**Catalog Number:**

16253-1-AP

**Size:**

850 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG9253

**GenBank Accession Number:**

BC007491

**GeneID (NCBI):**

9156

**UNIPROT ID:**

Q9UQ84

**Full Name:**

exonuclease 1

**Calculated MW:**

94 kDa

**Observed MW:**

115-120 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:16000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat

**Positive Controls:**

WB : HEK-293T cells, Jurkat cells, HeLa cells, Raji cells

IP : mouse thymus tissue,

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Margaret Tamaro	26420828	Nucleic Acids Res	WB
Christopher B Nelson	33841503	Front Genet	WB
Xinliang Zou	35900670	J Cardiovasc Transl Res	WB

## 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:

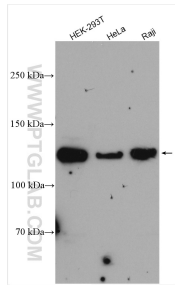
T: 4006900926

E: Proteintech-CN@ptglab.com

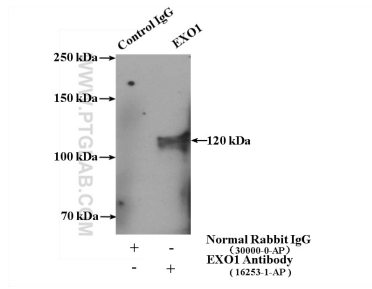
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16253-1-AP (EXO1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-EXO1 (IP:16253-1-AP, 4ug; Detection:16253-1-AP 1:500) with mouse thymus tissue lysate 2800ug.