

## ARG64475 anti-EXO1 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes EXO1
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody is expected to recognise all three reported isoforms (NP_003677.3; NP_006018.3 and NP_569082.1)
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	EXO1
Species	Human
Immunogen	C-HRNYSRPESGT
Conjugation	Un-conjugated
Alternate Names	Exonuclease I; hExol; EC 3.1.-.-; hExo1; HEX1; Exonuclease 1

### Application Instructions

Application table	Application	Dilution
	WB	0.2 - 0.5 µg/ml

**Application Note**  
WB: Recommend incubate at RT for 1h.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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### Database links

[GeneID: 9156 Human](#)

[Swiss-port # Q9UQ84 Human](#)

### Background

This gene encodes a protein with 5' to 3' exonuclease activity as well as an RNase H activity. It is similar to the *Saccharomyces cerevisiae* protein Exo1 which interacts with Msh2 and which is involved in mismatch repair and recombination. Alternative splicing of this gene results in three transcript variants encoding two different isoforms. [provided by RefSeq, Jul 2008]

### Research Area

Gene Regulation antibody

### Calculated Mw

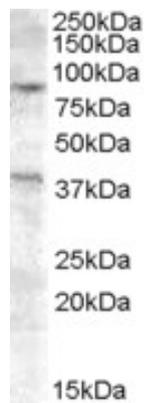
94 kDa

### PTM

Phosphorylated upon DNA damage and in response to agents stalling DNA replication, probably by ATM or ATR. Phosphorylation at Ser-454, Thr-621 and Ser-714 is induced upon DNA-damage caused by treatment with hydroxyurea (HU) but not upon IR treatment. The HU-induced EXO1 triple phosphorylation facilitates destabilisation/degradation of the protein.

## Images

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ARG64475 anti-EXO1 antibody WB image

Western Blot: A549 cell lysate (35 µg protein in RIPA buffer) stained with ARG64475 anti-EXO1 antibody at 0.2 µg/ml dilution.