

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.	

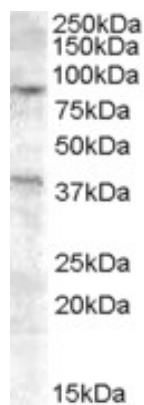
Properties

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

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 <i>Saccharomyces cerevisiae</i> 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



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.