

EXO1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51200

Product Information

Application	WB, ICC
Primary Accession	Q9UQ84
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	94103

Additional Information

Gene ID	9156
Other Names	Exonuclease 1, hExo1, 31--, Exonuclease I, hExoI, EXO1, EXOI, HEX1
Dilution	WB~~1:1000 ICC~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	EXO1
Synonyms	EXOI, HEX1
Function	5'->3' double-stranded DNA exonuclease which may also possess a cryptic 3'->5' double-stranded DNA exonuclease activity. Functions in DNA mismatch repair (MMR) to excise mismatch-containing DNA tracts directed by strand breaks located either 5' or 3' to the mismatch. Also exhibits endonuclease activity against 5'-overhanging flap structures similar to those generated by displacement synthesis when DNA polymerase encounters the 5'-end of a downstream Okazaki fragment. Required for somatic hypermutation (SHM) and class switch recombination (CSR) of immunoglobulin genes. Essential for male and female meiosis.
Cellular Location	Nucleus Note=Colocalizes with PCNA to discrete nuclear foci in S-phase
Tissue Location	Highly expressed in bone marrow, testis and thymus. Expressed at lower levels in colon, lymph nodes, ovary, placenta, prostate, small intestine, spleen and stomach

Background

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References

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