ARG56297
anti-POLD1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes POLD1
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	POLD1
Species	Human
Immunogen	Recombinant protein of Human PolD1
Conjugation	Un-conjugated
Alternate Names	MDPL; DNA polymerase delta catalytic subunit; DNA polymerase subunit delta p125; CRCS10; POLD; CDC2; EC 2.7.7.7

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: HeLa

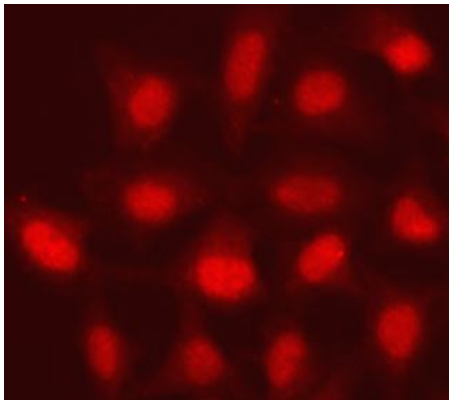
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

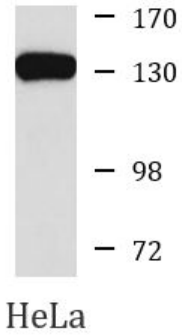
Database links	GeneID: 18971 Mouse GeneID: 5424 Human Swiss-port # P28340 Human Swiss-port # P52431 Mouse
Gene Symbol	POLD1
Gene Full Name	polymerase (DNA directed), delta 1, catalytic subunit
Background	This gene encodes the 125-kDa catalytic subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 6. [provided by RefSeq, Mar 2012]
Function	Possesses two enzymatic activities: DNA synthesis (polymerase) and an exonucleolytic activity that degrades single stranded DNA in the 3'- to 5'-direction. Required with its accessory proteins (proliferating cell nuclear antigen (PCNA) and replication factor C (RFC) or activator 1) for leading strand synthesis. Also involved in completing Okazaki fragments initiated by the DNA polymerase alpha/primase complex. [UniProt]
Calculated Mw	124 kDa

Images



ARG56297 anti-POLD1 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG56297 anti-POLD1 antibody.



ARG56297 anti-POLD1 antibody WB image

Western blot: HeLa cell lysate stained with ARG56297 anti-POLD1 antibody.