Datasheet for ABIN6145883

anti-POLD4 antibody (AA 1-107)

Go to Product page

1 Image

Overview

Quantity:	100 µL
Target:	POLD4
Binding Specificity:	AA 1-107
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLD4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-107 of human POLD4 (NP_066996.3).
Sequence:	MGRKRLITDS YPVVKRREGP AGHSKGELAP ELGEEPQPRD EEEAELELLR QFDLAWQYGP CTGITRLQRW CRAKQMGLEP PPEVWQVLKT HPGDPRFQCS LWHLYPL
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

Target:	POLD4

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Target Details

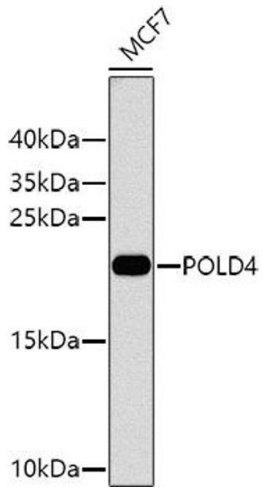
Alternative Name:	POLD4 (POLD4 Products)
Background:	This gene encodes the smallest subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. The encoded protein enhances the activity of DNA polymerase delta and plays a role in fork repair and stabilization through interactions with the DNA helicase Bloom syndrome protein. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.,POLD4,POLDS,p12,POLD4
Molecular Weight:	8 kDa/12 kDa
Gene ID:	57804
UniProt:	Q9HCU8
Pathways:	Telomere Maintenance, DNA Damage Repair, DNA Replication, Synthesis of DNA

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of MCF-7 cells, using POLD4 antibody (ABIN6133433, ABIN6145883, ABIN6145884 and ABIN6224592) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

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