



[Go to Product page](#)

Datasheet for ABIN6145888
anti-POLE3 antibody (AA 1-147)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	POLE3
Binding Specificity:	AA 1-147
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLE3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-147 of human POLE3 (NP_059139.3).
Sequence:	MAERPDLNL PNAVITRIIK EALPDGVNIS KEARSAISRA ASVFVLYATS CANNFAMKGG RKTLNASDVL SAMEEMEFQR FVTPLKEALE AYRREQKGGK EASEQKKKDK DKKTDSEEQD KSRDEDNDED EERLEEEEQN EEEEEVDN
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	POLE3
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Target Details

Alternative Name:	POLE3 (POLE3 Products)
Background:	POLE3 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging.[supplied by OMIM, Apr 2004],POLE3,CHARAC17,CHRAC17,YBL1,p17,Epigenetics & Nuclear Signaling,DNA Damage & Repair,POLE3
Molecular Weight:	16 kDa
Gene ID:	54107
UniProt:	Q9NRF9
Pathways:	DNA Damage Repair

Application Details

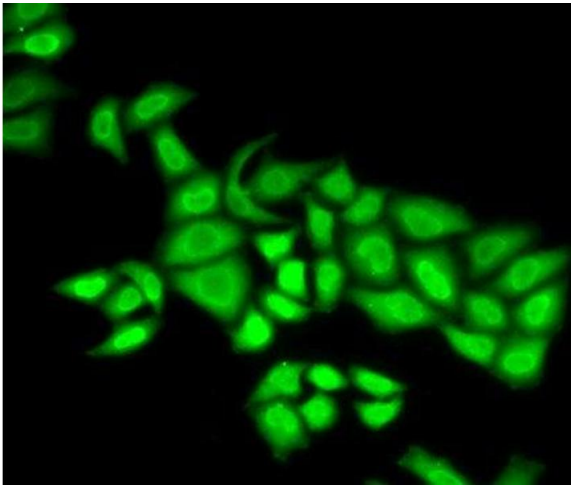
Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

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.

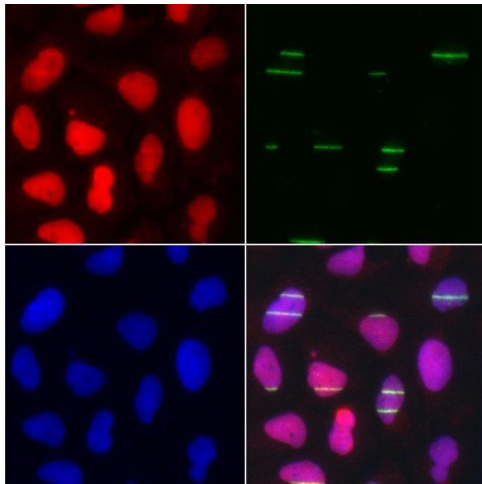
Publications

Product cited in:	Xiang, Laurent, Hsu, Nachtergaele, Lu, Sheng, Xu, Chen, Ouyang, Wang, Ling, Hsu, Zou, Jambhekar, He, Shi: "RNA m6A methylation regulates the ultraviolet-induced DNA damage response." in: Nature , Vol. 543, Issue 7646, pp. 573-576, (2017) (PubMed).
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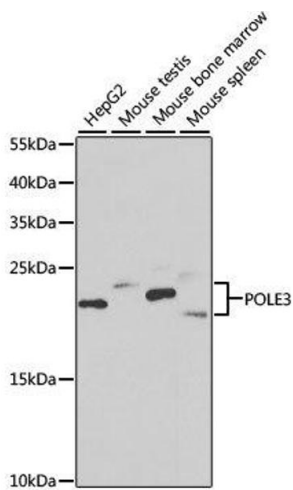
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using POLE3 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cells using POLE3 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using POLE3 antibody.