

For Research Use Only

POLE2 Polyclonal antibody

Catalog Number: 33482-1-AP



Basic Information

Catalog Number:

33482-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38070

GenBank Accession Number:

BC126218

GeneID (NCBI):

5427

UNIPROT ID:

P56282

Full Name:

polymerase (DNA directed), epsilon 2
(p59 subunit)

Calculated MW:

527 aa, 60 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:8000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, MCF-7 cells, MDA-MB-231 cells

IF/ICC : A431 cells,

Background Information

DNA polymerase epsilon subunit 2 (POLE2) is involved in cellular functions such as DNA replication, repair, and cell cycle control, as well as in the array-based proliferative signatures (PMID: 9745046; 12620412). Knockdown of POLE2 could suppress esophageal squamous cell carcinoma development through regulating cell proliferation, apoptosis, and migration (PMID: 32831648). POLE2 can also regulate the development of oral squamous cell carcinoma by inhibiting the PI3K/AKT signaling pathway (PMID: 38079056).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

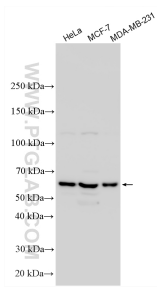
T: 4006900926

E: Proteintech-CN@ptglab.com

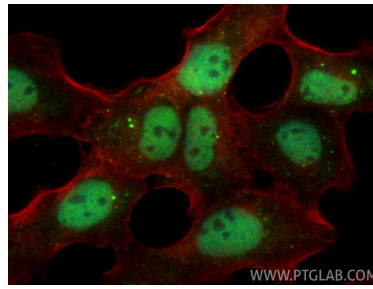
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33482-1-AP (POLE2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using POLE2 antibody (33482-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).