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DNA Polymerase epsilon p59 Rabbit pAb

Catalog # AP97881

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P56282
Other Accession	P56282
Reactivity	Human, Mouse
Predicted	Rat, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59537
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DNA Polymerase epsilon p59
Epitope Specificity	101-200/527
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the DNA polymerase epsilon subunit B family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	DNA replication, recombination and repair, all of which are necessary for genome stability, require the presence of exonucleases

Additional Information

Gene ID	5427
Other Names	DPE2; DPOE2_HUMAN; POLE2; DNA polymerase II subunit 2; DNA polymerase epsilon subunit B; DNA polymerase epsilon 2, accessory subunit; polymerase (DNA directed), epsilon 2 (p59 subunit); polymerase (DNA) epsilon 2, accessory subunit
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	POLE2 (HGNC:9178)
Synonyms	DPE2

Function	Accessory component of the DNA polymerase epsilon complex (PubMed:10801849). Participates in DNA repair and in chromosomal DNA replication (By similarity).
Cellular Location	Nucleus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.