

Rabbit anti-Human, Mouse PolE3/p17 Polyclonal Antibody | anti-PolE3/p17 antibody

Rabbit anti-PolE3/p17 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211377	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

PolE3/p17; Polyclonal Antibody; Rabbit anti-PolE3/p17 Antibody; Affinity Purified; DNA polymerase II subunit 3; histone fold protein CHRAC17; huCHRAC17; p17; polymerase (DNA directed); epsilon 3 (p17 subunit); DNA polymerase epsilon subunit p17; polymerase (DNA) epsilon 3; accessory subunit; CHRAC2; YBL1; epsilon 3; DNA polymerase epsilon subunit 3; DNA polymerase epsilon p17 subunit; chromatin accessibility complex 17 kDa protein; CHRAC-17; CHRAC17; CHARAC17; asTP; Arsenic-transactivated protein; arsenic transactivated protein; chromatin accessibility complex subunit 2; DNA polymerase epsilon 3; anti-PolE3/p17 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PolE3/p17 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Bovine, Orangutan
Immunogen	Between 97 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PolE3/p17 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50 ug) cells. Antibodies: Affinity purified rabbit anti-PolE3/p17 antibody AAA211377 used for WB at 0.4 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. PolE3/p17 was also immunoprecipitated, albeit less efficiently, by rabbit anti-PolE3/p17 antibody BL5053, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 30 seconds (A and B).



IHC (Immunohistochemistry)

Detection of human and mouse PolE3/p17 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma (left) and mouse teratoma (right). Antibody: Affinity purified rabbit anti-PolE3/p17 (Cat. No. AAA211377 Lot1) used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PoE3/p17 antibody	PolE3/p17 is a subunit of DNA polymerase epsilon that plays a role in DNA replication and repair. PoE3/p17 contains histone-fold motifs which play a role in protein-protein and protein-DNA interactions. PoE3/p17 interacts with CHRAC1 (chromatin assembly complex 1), ACF1, and ISWI/SNF2H proteins to form the CHRAC ISWI chromatin-remodeling complex.
Product Categories/Family for anti-PoE3/p17 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	224586804
NCBI GeneID	54107
NCBI Accession #	NP_059139.3
NCBI GenBank Nucleotide #	NM_017443.4
UniProt Accession #	Q9NRF9
NCBI Official Full Name	DNA polymerase epsilon subunit 3
NCBI Official Synonym Full Names	DNA polymerase epsilon 3, accessory subunit
NCBI Official Symbol	POLE3
NCBI Official Synonym Symbols	p17; YBL1; CHRAC2; CHRAC17; CHARAC17
NCBI Protein Information	DNA polymerase epsilon subunit 3
UniProt Protein Name	DNA polymerase epsilon subunit 3
UniProt Gene Name	POLE3
UniProt Synonym Gene Names	CHRAC17; AsTP; CHRAC-17; HuCHRAC17
UniProt Entry Name	DPOE3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.