

Mouse anti-Human POLE3/CHRA17 Monoclonal Antibody | anti-POLE3 antibody

POLE3/CHRA17 Mouse Monoclonal Antibody [Clone PCRP-POLE3-2F10]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215842	Mouse	Human	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

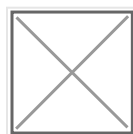
PRODUCT SYNONYMS

POLE3/CHRA17; Monoclonal Antibody; POLE3/CHRA17 Mouse Monoclonal Antibody [Clone PCRP-POLE3-2F10]; Arsenic transactivated protein; ASTP; CHRA17; Chromatin accessibility complex 17kDa protein; DNA polymerase II subunit 3; Histone fold protein CHRA17; HuCHRA17; Polymerase (DNA directed) epsilon 3 (POLE3); YBL1; anti-POLE3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG1
Clone Number	PCRP-POLE3-2F10
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-POLE3 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human POLE3 protein
Cellular Localization	Nucleus, Cytoplasm
Positive Control	HeLa or K562 cells. Human
Hu-chromosome Location	9q32
Unigene	108112
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of PFA-fixed K562 cells. POLE3 Mouse Monoclonal Antibody (PCRP-POLE3-2F10) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

ADDITIONAL INFORMATION

Related Product Information for anti-POLE3 antibody	DNA replication is initiated by the binding of initiation factors to the origin of replication. Nucleosomes inhibit access to the replication machinery at these origin sequences. Nucleosome remodeling factors increase the accessibility of nucleosomal DNA to transcriptional regulators. CHRAC15 and CHRAC17 are subunits of the nucleosomal remodeling factor CHRAC (chromatin accessibility complex), which increases the accessibility of nucleosomal DNA in an ATP-dependent manner. Unlike other known chromatin remodeling factors, CHRAC also functions during chromatin assembly by using ATP to convert irregular chromatin into a regular array of nucleosomes with even spacing. This conversion process occurs when CHRAC organizes randomly deposited histones into a regularly spaced array. In the presence of CHRAC, the nucleosomal ATPase ISWI catalyzes several ATP-dependent transitions of chromatin structure.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	503777067
NCBI GeneID	54107
NCBI Accession #	NP_001265184.1
NCBI GenBank Nucleotide #	NM_001278255.1
UniProt Accession #	Q9NRF9; Q5W0U1; Q8N758; Q8NCE5; Q9NR32
Molecular Weight	16,860 Da
NCBI Official Full Name	DNA polymerase epsilon subunit 3
NCBI Official Synonym Full Names	polymerase (DNA directed), epsilon 3, accessory subunit
NCBI Official Symbol	POLE3
NCBI Official Synonym Symbols	p17; YBL1; CHRAC17; CHARAC17
NCBI Protein Information	DNA polymerase epsilon subunit 3; CHRAC-17; DNA polymerase II subunit 3; DNA polymerase epsilon p17 subunit; DNA polymerase epsilon subunit p17; arsenic transactivated protein; arsenic-transactivated protein; asTP; chromatin accessibility complex 17 kDa p
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pole3-chrac17-antibody-clone-pcrp-pole3-2f10-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/215842>