Datasheet for ABIN7126801

anti-POLE3 antibody

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Overview

Quantity:	100 µg
Target:	POLE3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This POLE3 antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant full-length human POLE3 protein
Isotype:	IgG1
Specificity:	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

Product Details

	transitions of chromatin structure.
Cross-Reactivity (Details):	Human. Predicted to react in Mouse, Rat and Xenopus.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	POLE3
Alternative Name:	POLE3 (POLE3 Products)
Background:	Arsenic transactivated protein, ASTP, CHRAC17, Chromatin accessibility complex 17 kDa protein, DNA polymerase II subunit 3, Histone fold protein CHRAC17, HuCHRAC17, Polymerase (DNA directed) epsilon 3 (POLE3), YBL1,POLE3 / CHRAC17 Cellular localisation: Nucleus. Cytoplasm.
Molecular Weight:	16.86kDa
Gene ID:	54107, 108112
UniProt:	Q9NRF9
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: HeLa or K562 cells.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C

Handling

Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months