

CAB1323

Product Information

Product SKU:	CAB1323	Gene ID:	5428	Size:	20uL, 100uL
Clone No:	ARC1871	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	140kDa	Conjugate:	Unconjugated
Calculated MW:	140kDa	Isotype:	IgG

Immunogen Information

Background:	Mitochondrial DNA polymerase is heterotrimeric, consisting of a homodimer of accessory subunits plus a catalytic subunit. The protein encoded by this gene is the catalytic subunit of mitochondrial DNA polymerase. The encoded protein contains a polyglutamine tract near its N-terminus that may be polymorphic. Defects in this gene are a cause of progressive external ophthalmoplegia with mitochondrial DNA deletions 1 (PEOA1), sensory ataxic neuropathy dysarthria and ophthalmoparesis (SANDO), Alpers-Huttenlocher syndrome (AHS), and mitochondrial neurogastrointestinal encephalopathy syndrome (MNGIE). Two transcript variants encoding the same protein have been found for this gene.
Recommended Dilution:	WB:1:500 - 1:1000
Synonyms:	PEO; MDP1; SCAE; MIRAS; POLG1; POLGA; SANDO; MTDPS4A; MTDPS4B; DNA Polymerase gamma
Purification Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1140-1239 of human DNA Polymerase gamma (P54098).
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.