

### OriGene Technologies, Inc.

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# Product datasheet for TA359937

### **Twinkle (TWNK) Rabbit Polyclonal Antibody**

### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human PEO1
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	75kDa
Gene Name:	chromosome 10 open reading frame 2
Database Link:	<u>NP_068602</u> <u>Entrez Gene 56652 Human</u> <u>Q96RR1</u>

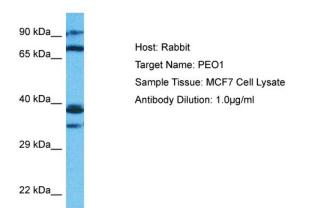


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# Image: Section 2Twinkle (TWNK) Rabbit Polyclonal Antibody - TA359937Background:This gene encodes a hexameric DNA helicase which unwinds short stretches of double-<br/>stranded DNA in the 5' to 3' direction and, along with mitochondrial single-stranded DNA<br/>binding protein and mtDNA polymerase gamma, is thought to play a key role in mtDNA<br/>replication. The protein localizes to the mitochondrial matrix and mitochondrial nucleoids.<br/>Mutations in this gene cause infantile onset spinocerebellar ataxia (IOSCA) and progressive<br/>external ophthalmoplegia (PEO) and are also associated with several mitochondrial depletion<br/>syndromes. Alternative splicing results in multiple transcript variants encoding distinct<br/>isoforms.

Synonyms: ATXN8; FLJ21832; IOSCA; PEO; PEO1; PEOA3; SANDO; SCA8; TWINKLE; TWINL

## **Product images:**



Host: Rabbit Target Name: PEO1 Sample Type: MCF7 Whole Cell lysates Antibody Dilution: 1.0ug/ml

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