

Product datasheet for TA341616

Twinkle (TWNK) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: The immunogen for anti-PEO1 antibody: synthetic peptide directed towards the middle

region of human PEO1. Synthetic peptide located within the following region:

GVFRKFATDNNCHVTLVIHPRKEDDDKELQTASIFGSAKASQEADNVLIL

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

Conjugation: Unconjugated

Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 77 kDa

Gene Name: chromosome 10 open reading frame 2

Database Link: NP 068602

Entrez Gene 56652 Human

Q96RR1



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Twinkle (TWNK) Rabbit Polyclonal Antibody - TA341616

Background: This gene encodes a hexameric DNA helicase which unwinds short stretches of double-

stranded DNA inThe 5' to 3' direction and, along with mitochondrial single-stranded DNA binding protein and mtDNA polymerase gamma, is thought to play a key role in mtDNA replication. The protein localizes to The mitochondrial matrix and mitochondrial nucleoids. Mutations in This gene cause infantile onset spinocerebellar ataxia (IOSCA) and progressive external ophthalmoplegia (PEO) and are also associated with several mitochondrial depletion syndromes. Alternative splicing results in multiple transcript variants encoding distinct

isoforms. [provided by RefSeq, Aug 2009]

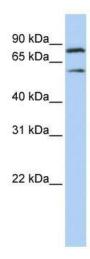
Synonyms: ATXN8; IOSCA; MTDPS7; PEO; PEO1; PEOA3; PRLTS5; SANDO; SCA8; TWINL

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human:

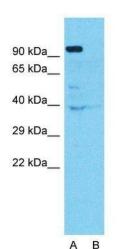
100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 93%

Protein Families: Druggable Genome

Product images:



WB Suggested Anti-PEO1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: Jurkat cell lysate



Anti-PEO1 Western Blot & Peptide Block Validation

Lysate: Hela Cell

Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide

Primary Antibody Concentration: 1.0µg/ml Peptide Concentration: 5.0µg/ml Lysate Quantity: 25µg/lane Gel Concentration: 12% Host: Rabbit; Target Name: PEO1; Sample Tissue: Hela; Lane A: Primary Antibody; Lane B: Primary Antibody + Blocking Peptide; Primary Antibody Concentration:1 ug/ml; Peptide Concentration: 5.0 ug/ml; Lysate Quantity: 25ug/lane/lane; Gel Concentration: 12%C1