

Datasheet for ABIN7173941
anti-C10orf2 antibody (AA 559-684)

3 Images

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Overview

Quantity:	100 µg
Target:	C10orf2 (C10ORF2)
Binding Specificity:	AA 559-684
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C10orf2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Twinkle protein, mitochondrial protein (559-684AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	C10orf2 (C10ORF2)
Alternative Name:	TWINK (C10ORF2 Products)
Background:	Background: Involved in mitochondrial DNA (mtDNA) metabolism. Could function as an adenine nucleotide-dependent DNA helicase. Function inferred to be critical for lifetime maintenance of

Target Details

mtDNA integrity. In vitro, forms in combination with POLG, a processive replication machinery, which can use double-stranded DNA (dsDNA) as template to synthesize single-stranded DNA (ssDNA) molecules. May be a key regulator of mtDNA copy number in mammals.

Aliases: Ataxin 8 antibody, Ataxin8 antibody, ATXN 8 antibody, ATXN8 antibody, C10 orf2 antibody, C10orf 2 antibody, C10orf2 antibody, Chromosome 10 open reading frame 2 antibody, IOSCA antibody, mitochondrial antibody, MTDPS7 antibody, PEO 1 antibody, PEO antibody, PEO1 antibody, PEO1_HUMAN antibody, PEOA3 antibody, Progressive external ophthalmoplegia 1 protein antibody, SANDO antibody, SCA 8 antibody, SCA8 antibody, T7 gp4 like protein with intramitochondrial nucleoid localization antibody, T7 gp4-like protein with intramitochondrial nucleoid localization antibody, T7 helicase-related protein with intramitochondrial nucleoid localization antibody, T7 like mitochondrial DNA helicase antibody, T7-like mitochondrial DNA helicase antibody, Twinkle protein antibody, Twinkle protein, mitochondrial antibody, TWINL antibody

UniProt: [Q96RR1](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000,

Restrictions: For Research Use only

Handling

Format: Liquid

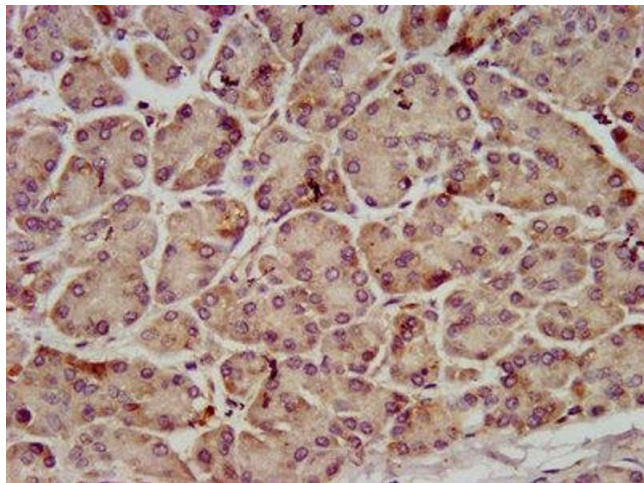
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

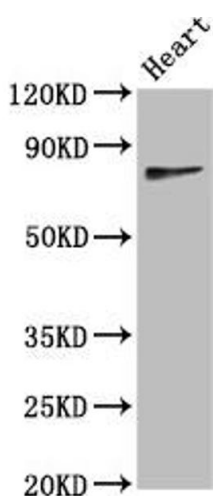
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



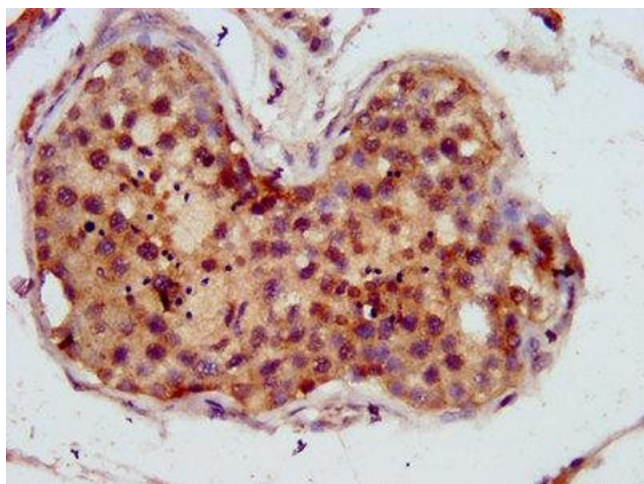
Immunohistochemistry

Image 1. IHC image of ABIN7173941 diluted at 1:800 and staining in paraffin-embedded human pancreatic tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: Mouse heart tissue All lanes: TWNK antibody at 4.4 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 78, 67, 61 kDa Observed band size: 78 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7173941 diluted at 1:800 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.