

Datasheet for ABIN6137714  
**anti-C10orf2 antibody (C-Term)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	100 µL
Target:	C10orf2 (C10ORF2)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C10orf2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 600 to the C-terminus of human C10orf2 (NP_068602.2).
Sequence:	KRYLQVSKNR FDGDVGVFPL EFNKNSLTFS IPPKNKARLK KIKDDTGPVA KKPSSGKKGA TTQNSEICSG QAPTPDQPD T SKRSK
Isotype:	IgG
Cross-Reactivity:	Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target: C10orf2 (C10ORF2)

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Alternative Name: TWNK ([C10ORF2 Products](#))

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Name:

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Background: This gene encodes a hexameric DNA helicase which unwinds short stretches of double-stranded DNA in the 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.,TWNK,ATXN8,C10orf2,IOSCA,MTDPS7,PEO,PEO1,PEOA3,PRLTS5,SANDO,SCA8,TWINL,Epigenetics & Nuclear Signaling,Endocrine & Metabolism,Mitochondrial metabolism,Neuroscience,Neurodegenerative Diseases,TWNK

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Molecular Weight: 60 kDa/66 kDa/77 kDa

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Weight:

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Gene ID: 56652

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UniProt: [Q96RR1](#)

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## Application Details

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Application Notes: WB,1:500 - 1:2000

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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

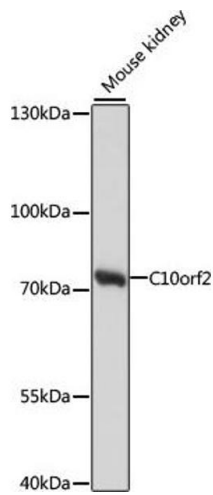
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Storage: -20 °C

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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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### Western Blotting

**Image 1.** Western blot analysis of extracts of mouse kidney, using C10orf2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.