

Datasheet for ABIN1714972

anti-C1ORF53 antibody (AA 81-145)**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	C1ORF53
Binding Specificity:	AA 81-145
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C1ORF53 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human C1orf51
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	C1ORF53
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Target Details

Alternative Name:	C1orf53 (C1ORF53 Products)
Background:	<p>Synonyms: C1orf53, CA053_HUMAN, Chromosome 1 open reading frame 53, Hypothetical protein LOC388722, Uncharacterized protein C1orf53.</p> <p>Background: Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8 % of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma. The C1orf53 gene product has been provisionally designated C1orf53 pending further characterization.</p>
Gene ID:	388722

Application Details

Application Notes:	<p>ELISA 1:500-1000</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> <p>ICC 1:100-500</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

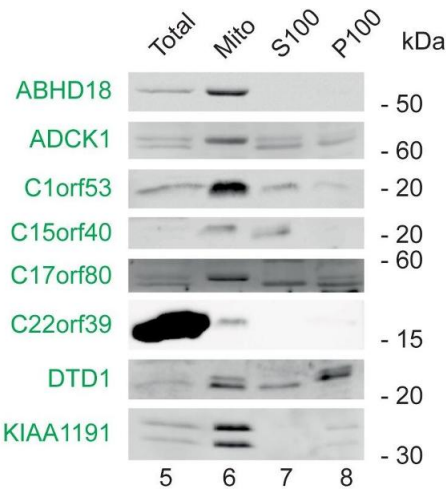
Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Morgenstern, Peikert, Lübbert, Suppanz, Klemm, Alka, Steiert, Naumenko, Schendzielorz, Melchionda, Mühlhäuser, Knapp, Busch, Stiller, Dannenmaier, Lindau, Licheva, Eickhorst, Galbusera, Zerbes, Ryan et al.: "Quantitative high-confidence human mitochondrial proteome and its dynamics in cellular context. ..." in: Cell metabolism , Vol. 33, Issue 12, pp. 2464-2483.e18, (2022) (PubMed).
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Images



Western Blotting

Image 1. Subcellular fractions of HEK293T cells were analyzed by western blotting using antibodies directed against the indicated marker (black) and MitoCoP identified/validated proteins (green). CI, CIII, and CIV, respiratory complexes I, III, and IV; Mito, mitochondrial fraction; S100, cytosolic fraction; P100, microsomal fraction. Source: PMID34800366