

## Datasheet for ABIN1387166 **anti-COA6 antibody**



[Go to Product page](#)

### Overview

Quantity:	100 µL
Target:	COA6
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COA6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human C1orf31
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	COA6
Alternative Name:	C1orf31 ( <a href="#">COA6 Products</a> )
Background:	Synonyms: C1orf31, CA031_HUMAN, Chromosome 1 open reading frame 31, Hypothetical protein LOC388753, RP5-827C21.3, Uncharacterized protein C1orf31. Background: The cytochrome c oxidase (COX) family of proteins function as the final electron

## Target Details

donor in the respiratory chain to drive a proton gradient across the inner mitochondrial membrane, ultimately resulting in the production of water. C1orf31 is a 125 amino acid mitochondrial protein that belongs to the cytochrome c oxidase subunit 6B family. There are three isoforms of C1orf31 that are produced as a result of alternative splicing events. The gene encoding C1orf31 maps to human chromosome 1, 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.

Gene ID: 388753

## Application Details

Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IF(IHC-P) 1:50-200

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.

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