10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

C1orf163 Rabbit pAb

Catalog # AP98520

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96BR5
Other Accession	Q96BR5
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25709
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C1orf163
Epitope Specificity	51-150/231
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the hcp beta-lactamase family. Contains 5 Sel1-like repeats.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 C1orf163 gene product has been provisionally designated C1orf163 pending further characterization.

Additional Information

Gene ID	65260
Other Names	C1orf163; RESA1; SCAN3; SELRC1; 2010305A19Rik; D4Ertd796e; RGD1305274; COA7_HUMAN; COA7; Beta-lactamase hcp-like protein; Respiratory chain assembly factor 1; Sel1 repeat-containing protein 1; COA7_MOUSE; cytochrome c oxidase assembly factor 7; chromosome 1 open reading frame 163; Sel1 repeat containing 1; cytochrome c oxidase assembly factor 7

	(putative); respiratory chain assembly 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	COA7
Synonyms	C1orf163, RESA1, SELRC1
Function	Required for assembly of mitochondrial respiratory chain complex I and complex IV.
Cellular Location	Mitochondrion intermembrane space. Note=The import in the mitochondrion intermembrane space is mediated by CHCHD4/MIA40.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.