

Rabbit anti-Human COA7 Polyclonal Antibody | anti-COA7 antibody

COA7 Antibody

CATALOG # AAA310385	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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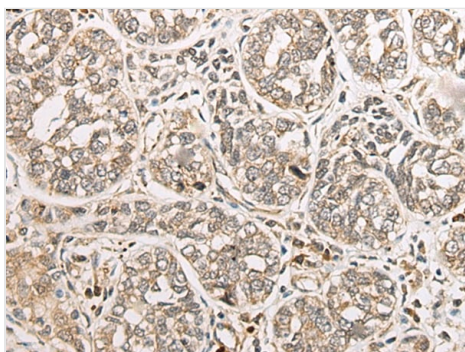
PRODUCT SYNONYMS

COA7; Polyclonal Antibody; COA7 Antibody; RESA1; SELRC1; C1orf163; anti-COA7 antibody

PRODUCT SPECIFICATIONS

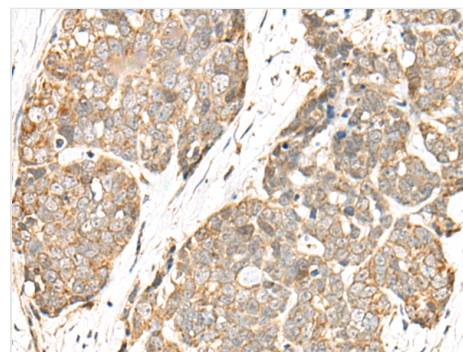
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	The antibody detects endogenous levels of total COA7 protein.
Purity/Purification	Antigen affinity purification
Form/Format	In pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	1.4mg/ml (varies by lot)
Sequence Length	999
Applicable Applications for anti-COA7 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Full length fusion protein of human COA7
Immunogen Type	Peptide
Preparation and Storage	Store at -20 degree C.

IMAGES



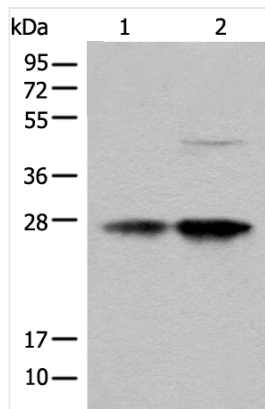
IHC (Immunohistochemisry)

The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 46530(COA7 Antibody) at dilution 1/55, on the right is treated with fusion protein. (Original magnification: x200)



IHC (Immunohiostchemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 46530(COA7 Antibody) at dilution 1/55, on the right is treated with fusion protein. (Original magnification: x200)



SDS-PAGE

Gel: 12%SDS-PAGE lysate: 40 µg, Lane 1-2: HL-60 and HEPG2 cell lysates, Primary antibody: 46530E COA7 Antibody) at dilution 1/550 dilution, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 20 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-COA7 antibody	The cytochrome c oxidase (COX) family of proteins function as the final electron donor in the respiratory chain to drive a proton gradient across the inner mitochondrial membrane, ultimately resulting in the production of water. COA7 (cytochrome c oxidase assembly factor 7), also known as RESA1, SELRC1 or C1orf163, is a 231 amino acid mitochondrial protein that belongs to the hcp beta-lactamase family. Consisting of five Sel1-like repeats, COA7 may be associated with respiratory chain assembly. COA7 is encoded by a gene located on human chromosome 1p32.3. 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.
Product Categories/Family for anti-COA7 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	15929783
NCBI GeneID	65260
UniProt Accession #	Q96BR5 ; Q0P6I7 ; Q9H9Z9
Molecular Weight	26 kDa
NCBI Official Full Name	Homo sapiens chromosome 1 open reading frame 163, mRNA
NCBI Official Synonym Full Names	cytochrome c oxidase assembly factor 7 (putative)
NCBI Official Symbol	COA7
NCBI Official Synonym Symbols	RESA1; SELRC1; C1orf163
NCBI Protein Information	cytochrome c oxidase assembly factor 7
UniProt Protein Name	Cytochrome c oxidase assembly factor 7
UniProt Gene Name	COA7
UniProt Synonym Gene Names	C1orf163; RESA1; SELRC1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

