

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

COA7 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA175256	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

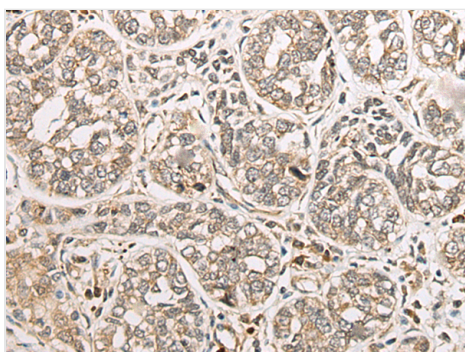
PRODUCT SYNONYMS

COA7; Polyclonal Antibody; COA7 Polyclonal Antibody; beta-lactamase hcp-like protein; C1orf163; Chromosome 1 open reading frame 163; FLJ12439; Hcp beta lactamase like protein C1orf163; Hypothetical protein LOC65260; RESA1; Sel1 repeat containing 1; Sel1 repeat-containing protein 1; anti-COA7 antibody

PRODUCT SPECIFICATIONS

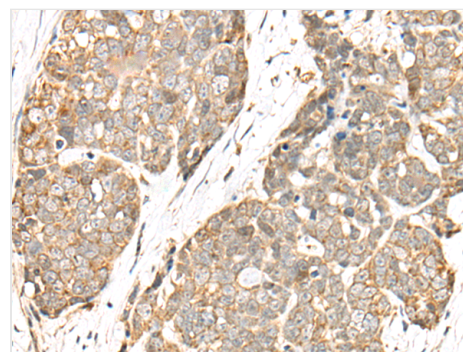
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	0.9mg/mL (varies by lot)
Sequence Length	231
Applicable Applications for anti-COA7 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Full length fusion protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



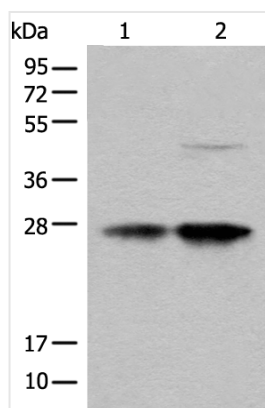
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using COA7 Polyclonal Antibody at dilution of 1:55(×200)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using COA7 Polyclonal Antibody at dilution of 1:55(×200)



WB (Western Blot)

Western blot analysis of HL-60 and HEPG2 cell lysates using COA7 Polyclonal Antibody at dilution of 1:550

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

[Cell Biology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	223590164
NCBI GeneID	65260
UniProt Accession #	Q96BR5
Molecular Weight	26 kDa
NCBI Official Full Name	Cytochrome c oxidase assembly factor 7
NCBI Official Synonym Full Names	cytochrome c oxidase assembly factor 7 (putative)
NCBI Official Symbol	COA7
NCBI Official Synonym Symbols	RESA1; SCAN3; SELRC1; C1orf163
NCBI Protein Information	cytochrome c oxidase assembly factor 7
UniProt Protein Name	Sel1 repeat-containing protein 1
UniProt Gene Name	SELRC1
UniProt Synonym Gene Names	C1orf163
UniProt Entry Name	SELRC1_HUMAN

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.

