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Datasheet for ABIN6138912
anti-COX5A antibody (AA 1-150)

5 Images

Overview

Quantity:	100 µL
Target:	COX5A
Binding Specificity:	AA 1-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human COX5A (NP_004246.2).
Sequence:	MLGAALRRCA VAATTRADPR GLLHSARTPG PAVAIQSVRC YSHGSQETDE EFDARWVTYF NKPDIWAWEL RKGINTLVTY DMVPEPKIID AALRACRRLN DFASTVRILE VVKDKAGPHK EIYPYVIQEL RPTLNELGIS TPEELGLDKV
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	COX5A
Alternative Name:	COX5A (COX5A Products)
Background:	<p>Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer of proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Va of the human mitochondrial respiratory chain enzyme. A pseudogene COX5AP1 has been found in chromosome 14q22.,COX5A,COX,COX-VA,VA,Endocrine & Metabolism,Mitochondrial metabolism,Oxidative phosphorylation,Neuroscience,Neurodegenerative Diseases,COX5A</p>
Molecular Weight:	16 kDa
Gene ID:	9377
UniProt:	P20674
Pathways:	Proton Transport

Application Details

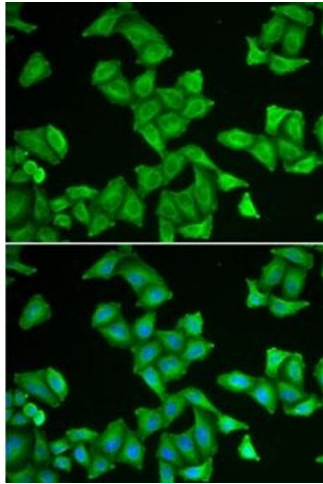
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:10 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

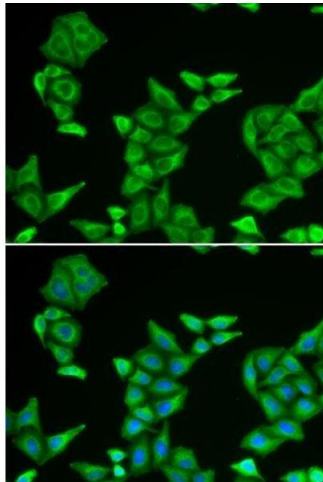
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



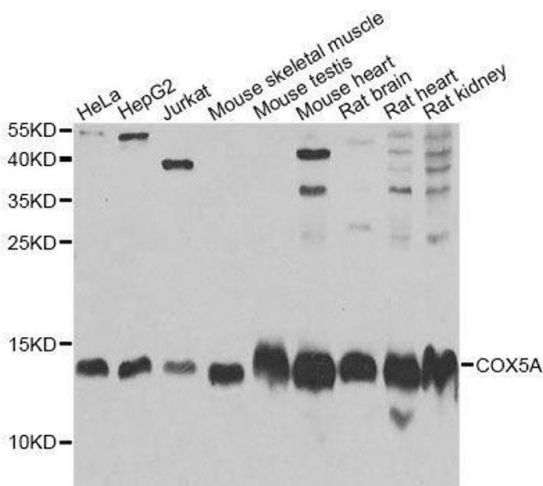
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using COX5A antibody (ABIN6130953, ABIN6138912, ABIN6138913 and ABIN6222082). Blue: DAPI for nuclear staining.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cells using COX5A antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using COX5A Antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6138912.