Datasheet for ABIN7602820

anti-COX8A antibody (C-Term)

Go to Product page

Overview

Quantity:	100 µg
Target:	COX8A
Binding Specificity:	C-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX8A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-COX8A Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of mouse COX8A, which shares 100% and 66.7% amino acid (aa) sequence identity with human and rat COX8A, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-COX8A Antibody Picoband® (ABIN7602820). Tested in Flow Cytometry, IHC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	COX8A
Alternative Name:	Cox8a (COX8A Products)
Background:	Synonyms: Mediator of RNA polymerase II transcription subunit 9, Mediator complex subunit 9, MED9, MED25, Tissue Specificity: Expressed in fetal brain, fetal lung, fetal liver, heart, brain, placenta, lung, liver, muscle, kidney and pancreas. Background: The protein encoded by this gene is the terminal enzyme of the respiratory chain, coupling the transfer of electrons from cytochrome c to molecular oxygen, with the concomitant production of a proton electrochemical gradient across the inner mitochondrial membrane. In addition to 3 mitochondrially encoded subunits, which perform the catalytic function, the eukaryotic enzyme contains nuclear-encoded smaller subunits, ranging in number from 4 in some organisms to 10 in mammals. It has been proposed that nuclear-encoded subunits may be involved in the modulation of the catalytic function. This gene encodes one of the nuclear-encoded subunits.
Molecular Weight:	8-10 kDa
Gene ID:	12868
UniProt:	Q64445

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Mouse 1. Courseaux, A., Grosgeorge, J., Gaudray, P., Pannett, A. A. J., Forbes, S. A., Williamson, C., Bassett, D., Thakker, R. V., Teh, B. T., Farnebo, F., Shepherd, J., Skogseid, B., Larsson, C., Giraud, S., Zhang, C. X., Salandre, J., Calender, A. Definition of the minimal MEN1 candidate area based on a 5-Mb integrated map of proximal 11q13. Genomics 37: 354-365, 1996. 2. Hallmann, K., Kudin, A. P., Zsurka, G., Kornblum, C., Reimann, J., Stuve, B., Waltz, S., Hattingen, E., Thiele, H., Nurnberg, P., Rub, C., Voos, W., Kopatz, J., Neumann, H., Kunz, W. S. Loss of the smallest subunit of cytochrome c oxidase, COX8A, causes Leigh-like syndrome and epilepsy. Brain 139: 338-345, 2016. 3. Richard, C. W., Withers, D. A., Meeker, T. C., Myers, R. M. A radiation hybrid

Application Details

	map of the proximal long arm of human chromosome 11 containing the MEN-1 and bcl-1 disease locus. (Abstract) Cytogenet. Cell Genet. 58: 1970 only, 1991.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.