

Anti-COX4I1 antibody [4D11-B3-E8] (STJ99044)

STJ99044

GENERAL INFORMATION

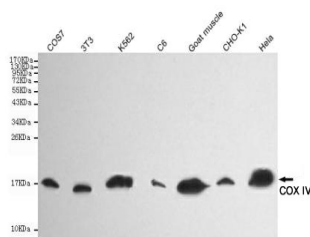
Product Type	Primary antibodies
Short Description	Mouse monoclonal antibody anti-Cytochrome C Oxidase Subunit 4 Isoform 1-Mitochondrial is suitable for use in Western Blot, Flow Cytometry, Immunocytochemistry, Immunoprecipitation and Immunohistochemistry research applications.
Applications	WB, FC, ICC, IP, IHC
Host/Source	Mouse
Reactivity	Human, Mouse, Rat, Hamster, Goat, Simian

PRODUCT PROPERTIES

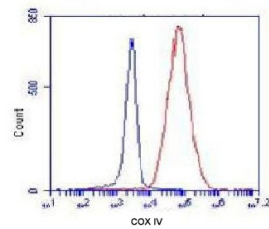
Clonality	Monoclonal
Clone ID	4D11-B3-E8
Concentration	1 mg/mL
Conjugation	Unconjugated
Purification	The antibody was isolated from ascitic fluid by immunoaffinity chromatography using antigens coupled to agarose beads.
Dilution	WB 1:1000
Range	ICC 1:150 FCM 1:100
Formulation	PBS, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Isotype	IgG1
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

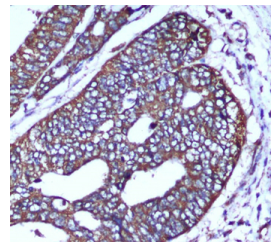
Gene ID	1327
Gene Symbol	COX4I1
Uniprot ID	COX4I1_HUMAN
Immunogen	A Synthetic peptide corresponding to carboxyl terminal residues of human COX IV
Region	
Specificity	COX4I1 monoclonal antibody (Cytochrome C Oxidase Subunit 4 Isoform 1-Mitochondrial) binds to endogenous Cytochrome C Oxidase Subunit 4 Isoform 1-Mitochondrial.
Immunogen Sequence	



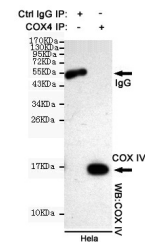
Western blot detection of COX IV in Goat muscle, CHO-K1, COS7, 3T3, HeLa, C6 and K562 cell lysates using COX IV mouse mAb (1:5000 diluted). Predicted band size: 17kDa. Observed band size: 17kDa.



Flow Cytometry analysis of K562 cells stained with COX4 (red, 1/100 dilution), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.



Immunohistochemical analysis of paraffin-embedded human colorectal carcinoma with COX IV Mouse mAb (4D11-B3-E8, 1:50 diluted), showing cytoplasmic localization. A high pressure mediated antigen retrieval step was performed in citrate buffer (pH6.0).



Immunoprecipitation analysis of HeLa cell lysates using COX IV mouse mAb.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.
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