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

STJ99044

GENERAL INFORMATION

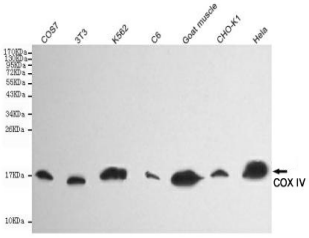
Product Type Primary antibodies
Short Description Mouse monoclonal antibody anti-Cytochrome c oxidase subunit 4 isoform 1, mitochondrial is suitable for use in Western Blot, Flow Cytometry, Immunocytochemistry, Immunoprecipitation and Immunohistochemistry research applications.
Applications WB/FC/ICC/IP/IHC
Host/Source Mouse
Reactivity Human/Mouse/Rat/Hamster/Goat/Monkey

PRODUCT PROPERTIES

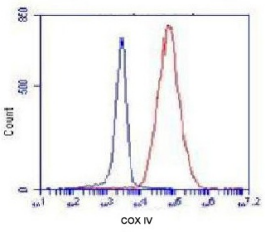
Clonality Monoclonal
Clone ID 4D11-B3-E8
Concentration 1 mg/mL
Conjugation Unconjugated
Purification The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution Range WB 1:1000
ICC 1:150
FCM 1:100
Formulation Liquid in PBS containing 50% 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

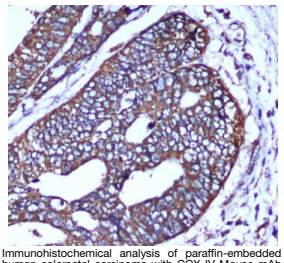
Gene ID 1327
Gene Symbol COX4I1
Uniprot ID COX41_HUMAN
Immunogen A synthetic peptide corresponding to carboxyl terminal residues of human COX IV
Immunogen Region
Specificity This antibody detects endogenous levels of COX IV and does not cross-react with related proteins.
Immunogen Sequence



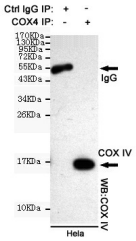
Western blot detection of COX IV in Goat muscle, CHO-k1, COS7, 3T3, Hela, C6 and K562 cell lysates using COX IV mouse mAb (1:5000 diluted).Predicted band size:17KDa.Observed band size:17KDa.



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 cytoplasm 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.

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