

ARG57069 anti-CPOX antibody [36B10]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [36B10] recognizes CPOX
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	36B10
Isotype	IgG1, kappa
Target Name	CPOX
Species	Human
Immunogen	Recombinant fragment around aa. 111-454 of Human CPOX.
Conjugation	Un-conjugated
Alternate Names	HCP; CPO; COX; Coproporphyrinogenase; Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial; CPX; Coprogen oxidase; EC 1.3.3.3

Application Instructions

Application table	Application	Dilution
	WB	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

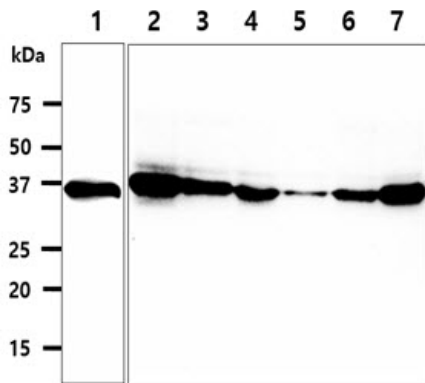
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1371 Human Swiss-port # P36551 Human
Gene Symbol	CPOX
Gene Full Name	coproporphyrinogen oxidase
Background	The protein encoded by this gene is the sixth enzyme of the heme biosynthetic pathway. The encoded enzyme is soluble and found in the intermembrane space of mitochondria. This enzyme catalyzes the stepwise oxidative decarboxylation of coproporphyrinogen III to protoporphyrinogen IX, a precursor of heme. Defects in this gene are a cause of hereditary coproporphria (HCP).[provided by RefSeq, Oct 2009]
Function	Involved in the heme biosynthesis. Catalyzes the aerobic oxidative decarboxylation of propionate groups of rings A and B of coproporphyrinogen-III to yield the vinyl groups in protoporphyrinogen-IX. [UniProt]
Calculated Mw	50 kDa

Images



ARG57069 anti-CPOX antibody [36B10] WB image

Western blot: 40 µg of 1) Recombinant protein CPOX, 2) 293T cell lysate, 3) HepG2 cell lysate, 4) A549 cell lysate, 5) Jurkat cell lysate, 6) K562 cell lysate, 7) LnCaP cell lysate stained with ARG57069 anti-CPOX antibody [36B10] at 1:500.