

ACO2 antibody

Product Information

Catalog No.:	FNab00088
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

ACO2(aconitate hydratase, mitochondrial) is also named as citrate hydro-lyase and belongs to the aconitase/IPM isomerase family. It plays a key function in cellular energy production, and loss of its activity has a major impact on cellular and organismal survival. Western blot shows two bands of 83 kDa and 40 kDa. The 40 kDa fragment decreases with age and oxidative stress, whereas other fragmentation products with molecular weights between 40 and 83 kDa increased with age and MnSOD(mitochondrial manganese superoxide dismutase) deficiency(PMID:12459471). Defects in ACO2 are the cause of infantile cerebellar-retinal degeneration(ICRD).

Immunogen information

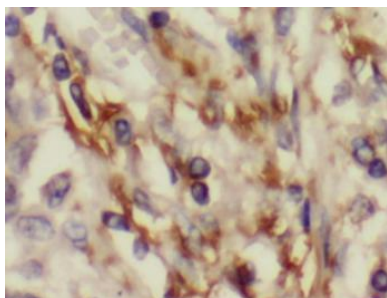
Immunogen:	aconitase 2, mitochondrial
Synonyms:	Aconitate hydratase, mitochondrial (Aconitase) Citrate hydro-lyase ACO2
Observed MW:	85 kDa
Uniprot ID :	Q99798

Application

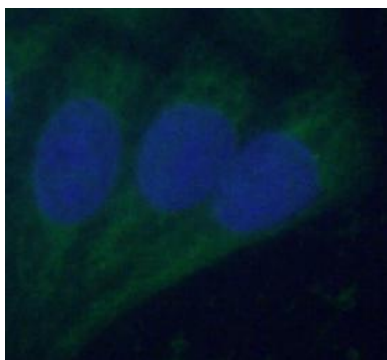
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:50-1:200

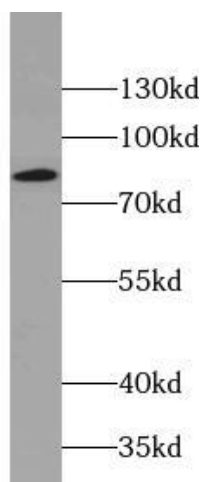
Image:



Immunohistochemistry of paraffin-embedded human lung cancer using FNab00088(ACO2 antibody) at dilution of 1:50



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using FNab00088(ACO2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with FNab00088(ACO2 antibody) at dilution of 1:400