

ARG1 antibody

Product Information

Catalog No.:	FNab04800
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

Arginase-1(Liver arginase) belongs to the arginase family. ARG1 is a novel immunohistochemical marker of hepatocellular differentiation in fine needle aspiration cytology and a marker of hepatocytes and hepatocellular neoplasms. ARG1 is closely associated with alternative macrophage activation(PMID:12098359) and ARG1 has been shown to protect motor neurons from trophic factor deprivation and allow sensory neurons to overcome neurite outgrowth inhibition by myelin proteins(PMID: 20071539).It can exist as a homotrimer(PMID:16141327) and it has 3 isoforms produced by alternative splicing.Defects in ARG1 are the cause of argininemia(ARGIN). Deletion or TNF-mediated restriction of ARG1 unleashes the production of NO by NOS2, which is critical for pathogen control.(PMID:27117406).

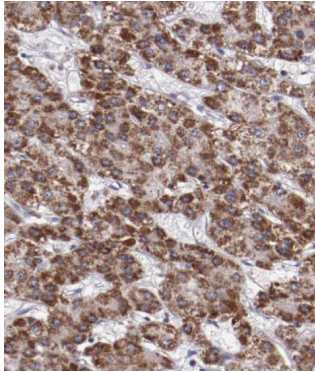
Immunogen information

Immunogen:	arginase, liver
Synonyms:	Arginase-1 Liver-type arginase Type I arginase ARG1
Observed MW:	35 kDa
Uniprot ID :	P05089

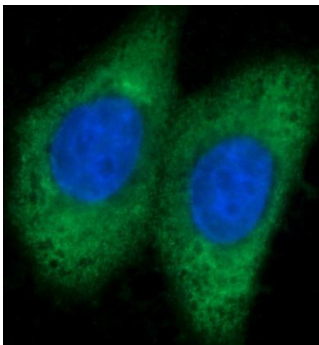
Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IHC, IF
Recommended dilution:	WB: 1:1000-1:5000; IHC: 1:100-1:400; IF: 1:20-1:200

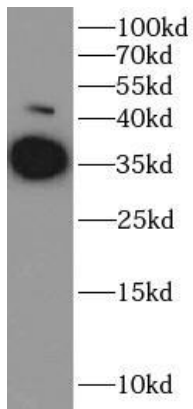
Image:



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using FNab04800(ARG1 Antibody) at dilution of 1:200



Immunofluorescent analysis of HepG2 cells using FNab04800(ARG1 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)



mouse liver tissue were subjected to SDS PAGE followed by western blot with FNab04800(ARG1 antibody) at dilution of 1:1000