

## anti- liver Arginase 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:	ARG1, Arginase 1, liver Arginase, Liver type arginase
Observed MW:	35 kDa
UniprotID :	P05089

### Wuhan Fine Biotech Co., Ltd.

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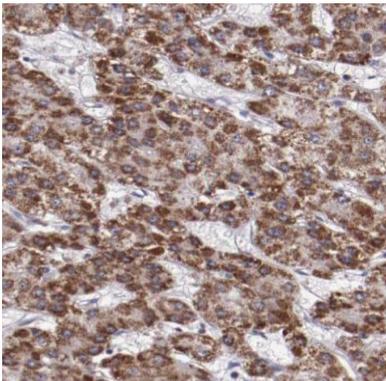
## Application

Reactivity: Human, Mouse, Rat

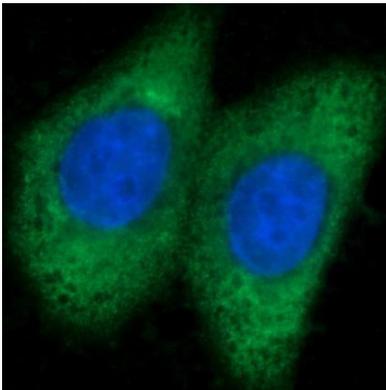
Tested Application: ELISA, IHC, IP, IF, FC, WB

Recommended dilution: WB: 1:1000-1:10000; IP: 1:500-1:1000; 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



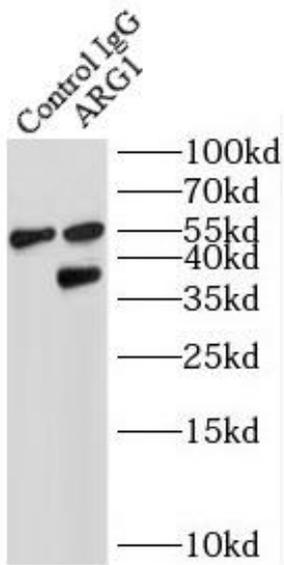
Immunofluorescent analysis of HepG2 cells using FNab04800( ARG1 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)

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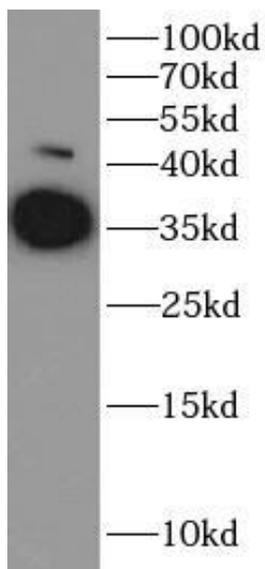
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IP Result of anti-ARG1 (IP:FNab04800, 4ug;  
Detection:FNab04800 1:700) with mouse liver  
tissue lysate 5200ug.



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