

## anti- liver Arginase antibody

### Product Information

|               |   |
|---------------|---|
| Catalog No.:  | FNab04801   |
| Size:         | 100µg   |
| Form:         | liquid  |
| Purification: | Protein A+G purification  |
| Purity:       | ≥95% as determined by SDS-PAGE  |
| Host:         | Mouse   |
| Clonality:    | monoclonal  |
| Clone ID:     | 4A0   |
| IsoType:      | IgG2a   |
| 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  |
| Uniprot ID : | P05089  |

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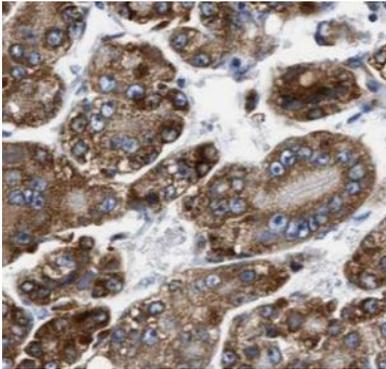
## Application

Reactivity: Human, Mouse, Rat

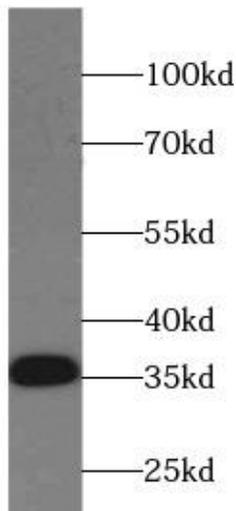
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:1000-1:8000; IHC: 1:200-1:1000

Image:



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using FNab04801(ARG1 Antibody) at dilution of 1:50.



HepG2 cells were subjected to SDS PAGE followed by western blot with FNab04801(ARG1 Antibody) at dilution of 1:4000

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