

# ARG1 Polyclonal Antibody

Catalog Number:E-AB-70308



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human,Mouse,Rat  |
| <b>Immunogen</b>    | Recombinant protein corresponding to Mouse Arginase-1                      |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Affinity purification  |
| <b>Conjugation</b>  | Unconjugated   |
| <b>Formulation</b>  | PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4 |

## Applications Recommended Dilution

|           |               |
|-----------|---------------|
| <b>WB</b> | 1:1000-1:2000 |
|-----------|---------------|

## Data



Western Blot analysis of various samples using ARG1 Polyclonal Antibody at dilution of 1:1000.

**Observed Mw:40kDa**

**Calculated Mw:35kDa**

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

Liver arginase(Arginase-1) belongs to the arginase family. Hepatic arginase 1 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).

## For Research Use Only

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