

**Anti-Human/Rat ARG1 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA01945**

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3th Edition

**Description:** 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).

**Antigen:** Recombinant Human Arginase-1 protein

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH 7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1 µg/ml.

**Specificity:** Within the immune system initially reported to be selectively expressed in granulocytes (polymorphonuclear leukocytes [PMNs]) (PubMed:15546957). Also detected in macrophages mycobacterial granulomas (PubMed:23749634). Expressed in group 2 innate lymphoid cells (ILC2s) during lung disease (PubMed:27043409).