

Datasheet for ABIN5596906
anti-ARG antibody (HRP)[Go to Product page](#)

1 Image

Overview

| | |
|--------------|--|
| Quantity: | 100 µg |
| Target: | ARG |
| Reactivity: | Cow |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ARG antibody is conjugated to HRP |
| Application: | Western Blotting (WB), ELISA |

Product Details

| | |
|-----------------------------|---|
| Immunogen: | Immunogen: Arginase [Bovine Liver] Immunogen Type: Native Protein |
| Isotype: | IgG |
| Cross-Reactivity (Details): | Cross reactivity against Arginase from other tissues and species may occur but have not been specifically determined. |
| Purification: | Arginase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Arginase [Bovine Liver]. |

Target Details

| | |
|-------------------|--|
| Target: | ARG |
| Alternative Name: | Arginase (ARG Products) |
| Background: | <p>Synonyms: A I antibody, AI antibody, ARG 1 antibody, ARG1 antibody, Arginase 1 antibody, Arginase liver antibody, Arginase type I antibody, Arginase1 antibody, Liver type arginase antibody, Type I arginase antibody</p> <p>Background: Arginase is a manganese-containing enzyme belonging to the ureohydrolase family of enzymes. Arginase catalyzes the fifth and final step in the urea cycle, a series of biochemical reactions in mammals during which the body disposes of harmful ammonia. Specifically, arginase converts L-arginine into L-ornithine and urea.</p> <p>Gene Name: ARG1</p> |
| Gene ID: | 513608 |
| UniProt: | Q2KJ64 |

Application Details

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|--------------------|---|
| Application Notes: | <p>Application Note: Anti-Arginase has been assayed against 1.0 µg of Arginase [Bovine Liver] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.</p> <p>Western Blot Dilution: 1:1,000 - 1:5,000</p> <p>ELISA Dilution: 1:10,000 - 1:40,000</p> |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|---|
| Format: | Lyophilized |
| Reconstitution: | <p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p> |
| Concentration: | 1 mg/mL |
| Buffer: | <p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p> |
| Preservative: | Gentamicin sulfate |
| Precaution of Use: | This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which |

Handling

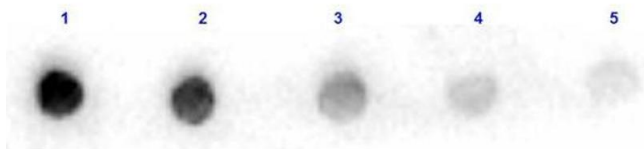
should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months

Images



Dot Blot

Image 1. Dot Blot results of Rabbit Anti-Arginase Peroxidase Conjugated. Antigen: Arginase. Blot loaded at 3 fold dilution: 1. 100ng, 2. 33.3ng, 3. 11.1ng, 4. 3.70ng, 5. 1.23ng. Blocking: ABIN925618 Buffer for 30 minutes at RT. Primary Antibody: Rabbit Anti-Arginase HRP 10µg/mL for 1hr at RT. Secondary Antibody: none. Imaging System ChemiDoc, Filter used: Chemi.