

Datasheet for ABIN1607805
anti-ASRGL1 antibody (Biotin)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	ASRGL1
Reactivity:	E. coli
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASRGL1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Asparaginase [E. coli] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Asparaginase from other sources may occur but have not been specifically determined.
Purity:	Anti-L-Asparaginase 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-Biotin, anti-Rabbit Serum as well as purified and partially purified Asparaginase [E. coli].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	ASRGL1
Alternative Name:	L-Asparaginase (ASRGL1 Products)
Background:	Anti-L-Asparaginase antibody recognizes the protein asparaginase. Asparaginase is responsible for the catalysis of asparagine to L-aspartic acid and ammonia. In food processing, asparaginase is used to prevent the formation of acrylamide, a carcinogen, from the heating of asparagine which causes it to undergo the maillard reaction. Asparaginase is also used in cancer therapy since leukemic cells are unable to produce their own asparagine and therefore, must rely on circulating asparagine. Treatment with asparaginase converts the asparagine to aspartic acid denying the leukemic cells of asparagine, resulting in their death. Anti-L-Asparaginase antibody is suitable to investigators interested in cancer, metabolism, and enzymology. Synonyms: L ASNase II antibody, AnsA antibody, AnsB antibody, Colaspase antibody, Cytoplasmic asparaginase I antibody, L ASNase I antibody, L asparaginase II precursor antibody, L asparagine amidohydrolase I antibody
Gene ID:	1039460
UniProt:	P00805

Application Details

Application Notes:	Anti-L-Asparaginase has been assayed against 1.0 µg of Asparaginase in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and 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 1:3.200 to 1:12,800 of the reconstitution concentration is suggested for this product. ELISA Dilution: 1:5.000 - 1:25.000 Western Blot Dilution: 1:500 - 1:3.000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

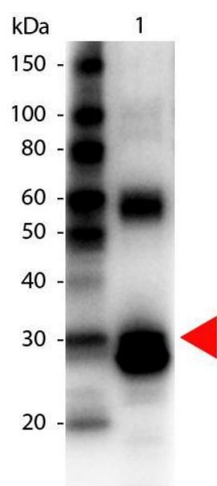
Handling

Storage: -20 °C

Storage Comment: Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

Expiry Date: Expiration date is one (1) year from date of opening.

Images



Western Blotting

Image 1. Western Blot of Biotin Conjugated Rabbit anti-L-Asparaginase Antibody. Lane 1: L-Asparaginase. Lane 2: none. Load: 100 ng per lane. Primary antibody: Biotin Conjugated L-Asparaginase antibody at 1:1000 for overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 32 kDa for L-Asparaginase. Other band(s): L-Asparaginase splice variants and isoforms.