Datasheet for ABIN99372

anti-FOLR1 antibody (Biotin)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	FOLR1
Reactivity:	Cow
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This FOLR1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	Folate Binding Protein [Bovine Milk] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Folate Binding Protein from other sources is unknown.
Purity:	Anti-Folate Binding Protein 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-Goat Serum as well as purified and partially purified Folate Binding Protein [Bovine Milk].
Endotoxin Level:	Low Endotoxin : No

Target Details

Target:	FOLR1
Alternative Name:	Folate Binding Protein (FOLR1 Products)
Background:	Anti-Folate Binding Protein antibody belongs to the folate receptor family and binds to folate and reduced folic acid derivatives. It further regulates delivery of 5-methyltetrahydrofolate to the cell interior. Folate expresses solely in epithelial tissues, and expression is increased in malignant tissues. Anti-Folate Binding Protein antibody is ideal for researchers investigating Tags & Cell Markers and Cancer research. Synonyms: Folate receptor alpha FR-alpha Folate receptor 1 Milk folate-binding protein Folate-binding protein 1 FBP
Gene ID:	539750
UniProt:	P02702
Pathways:	Dicarboxylic Acid Transport

Application Details

Application Notes:	Anti-Folate Binding Protein has been assayed against 1.0 µg of Folate Binding Protein 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 1:4.000 to 1:20.000 of the reconstitution concentration is suggested for this product. This product has been assayed against 1.0 µg of Folate Binding Protein 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 1:4.000 to 1:20.000 of the reconstitution concentration is suggested for this product. ELISA Dilution: 1:5.000 - 1:20.000 IF Immunoprecipitation Dilution: 1:100 Western Blot Dilution: 1:500 - 1:5.000
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

Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
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.

Publications

Product cited in:

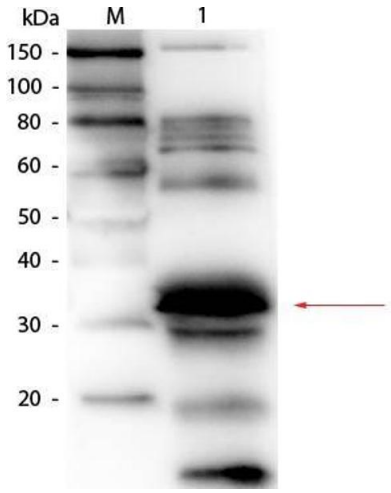
Wallis, Ventimiglia, Otigbah, Infante, Cuesta-Geijo, Kidiyoor, Carbajal, Fleck, Foiani, Garcia-Manyes, Martin-Serrano, Agromayor: "The ESCRT machinery counteracts Nesprin-2G-mediated mechanical forces during nuclear envelope repair." in: **Developmental cell**, Vol. 56, Issue 23, pp. 3192-3202.e8, (2021) (PubMed).

Merigliano, Burla, La Torre, Del Giudice, Teo, Liew, Chojnowski, Goh, Olmos, Maccaroni, Giubettini, Chiolo, Carlton, Raimondo, Vernì, Stewart, Rhodes, Wright, Burke, Saggio: "AKTIP interacts with ESCRT I and is needed for the recruitment of ESCRT III subunits to the midbody." in: **PLoS genetics**, Vol. 17, Issue 8, pp. e1009757, (2021) (PubMed).

Alvarez-Castelao, Tom Dieck, Fusco, Donlin-Asp, Perez, Schuman: "The switch-like expression of heme-regulated kinase 1 mediates neuronal proteostasis following proteasome inhibition." in: **eLife**, Vol. 9, (2020) (PubMed).

Nuwer, Fleck: "Anterograde trafficking signals in GABAA subunits are required for functional expression." in: **Channels (Austin, Tex.)**, Vol. 13, Issue 1, pp. 440-454, (2020) (PubMed).

Rohde, Becker, Krähling: "Marburg virus regulates the IRE1/XBP1-dependent unfolded protein response to ensure efficient viral replication." in: **Emerging microbes & infections**, Vol. 8, Issue 1, pp. 1300-1313, (2020) (PubMed).



Western Blotting

Image 1. Western Blot of Goat anti-Folate Binding Protein (Bovine Milk) Antibody Biotin Conjugated. Lane 1: Blotto. Load: 50.0 ug per lane. Primary antibody: Goat anti-Folate Binding Protein (Bovine Milk) Antibody Biotin Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 minutes at RT. Predicted/Observed size: 28 kDa, 30 kDa for Folate Binding Protein. Migrates slightly higher. Other band(s): non-specific proteins in Blotto.

