

Anti-FOLATE BINDING PROTEIN (Bovine Milk) (GOAT) Antibody

Folate Binding Protein Antibody Catalog # ASR3914

Specification

Anti-FOLATE BINDING PROTEIN (Bovine Milk) (GOAT) Antibody - Product Information

Host Goat

Conjugate
Target Species
Reactivity
Clonality

Unconjugated
Bovine
Bovine
Polyclonal

Application WB, E, IP, I, LCI
Application Note FOLATE BINDING PROT

FOLATE BINDING PROTEIN Antibody has been assayed against 1.0 ug of Folate Binding Protein [Bovine Milk] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) code #605-4302 and (ABTS (2,2'-azino-bis-[3-eth ylbenthiazoline-6-sulfonic acid]) code #ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:10,000 to 1:40,000 of the reconstitution

concentration is suggested for this

product. Highest levels of antigen binding and antibody reactivity were observed

using NuncÔ brand MaxiSorp

immunoplates. Lyophilized

0.02 M Potassium Phosphate, 0.15 M

Sodium Chloride, pH 7.2

Folate Binding Protein [Bovine Milk]

100 µL

Restore with deionized water (or

equivalent)

Preservative 0.01% (w/v) Sodium Azide

Anti-FOLATE BINDING PROTEIN (Bovine Milk) (GOAT) Antibody - Additional Information

Gene ID 516067

Physical State

Immunogen

Reconstitution Volume

Reconstitution Buffer

Buffer

Other Names 539750

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-Goat Serum as well as purified and partially purified Folate Binding Protein [Bovine Milk]. Cross reactivity against Folate Binding Protein from other tissues and species may occur but have not been specifically



determined.

Storage Condition

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.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-FOLATE BINDING PROTEIN (Bovine Milk) (GOAT) Antibody - Protein Information

Name FOLR1

Function

Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. Has high affinity for folate and folic acid analogs at neutral pH. Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release (By similarity). Required for normal embryonic development and normal cell proliferation (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P15328}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:P15328}. Apical cell membrane {ECO:0000250|UniProtKB:P15328}; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:P15328}. Basolateral cell membrane {ECO:0000250|UniProtKB:P15328}; Lipid-anchor, GPI-like-anchor {ECO:0000250|UniProtKB:P15328}. Secreted {ECO:0000269|Ref.3} Cytoplasmic vesicle {ECO:0000250|UniProtKB:P15328}. Cytoplasmic vesicle, clathrin-coated vesicle {ECO:0000250|UniProtKB:P15328} Endosome {ECO:0000250|UniProtKB:P15328}. Note=Endocytosed into cytoplasmic vesicles and then recycled to the cell membrane {ECO:0000250|UniProtKB:P15328}

Tissue Location

Detected in milk (at protein level). {ECO:0000269|Ref.3}

Anti-FOLATE BINDING PROTEIN (Bovine Milk) (GOAT) Antibody - Protocols

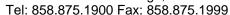
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-FOLATE BINDING PROTEIN (Bovine Milk) (GOAT) Antibody - Images

Anti-FOLATE BINDING PROTEIN (Bovine Milk) (GOAT) Antibody - Background







Folate Binding Protein binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. It has a high affinity for folate and folic acid analogs at neutral pH. Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release. It is required for normal embryonic development and normal cell proliferation.