

# Anti-FOLATE BINDING PROTEIN (Bovine Milk) (GOAT) Antibody Peroxidase Conjugated Folate Binding Protein Antibody Peroxidase Conjugated Catalog # ASR3975

### **Specification**

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

Host Goat

Conjugate Peroxidase (Horseradish)
Target Species Bovine
Reactivity Bovine
Clonality Polyclonal

Application WB, E, IP, I, LCI

Application Note

Anti-Folate Binding Protein has been tested in western blot and is suitable to be assayed against 1.0 ug of Folate Binding Protein [Bovine Milk] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbe

nthiazoline-6-sulfonic acid]) code #

ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:10,000 of the reconstitution

concentration is suggested for this

Physical State product. Lyophilized

Buffer 0.02 M Potassium Phosphate, 0.15 M

Sodium Chloride, pH 7.2

Immunogen Folate Binding Protein [Bovine Milk]

100 µL

Reconstitution Buffer Restore with deionized water (or

equivalent)

Stabilizer 10 mg/ml Polyethylene Glycol (PEG-8000)
Preservative 0.01% (w/v) Gentamicin Sulfate. Do NOT

add Sodium Azide!

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

**Gene ID 516067** 

Reconstitution Volume

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-Peroxidase, anti-Goat Serum as well as purified and partially purified Folate Binding Protein [Bovine Milk]. Cross reactivity against Folate Binding Protein from other sources is unknown.



# **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 Peroxidase Conjugated -**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}

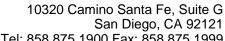
## Anti-FOLATE BINDING PROTEIN (Bovine Milk) (GOAT) Antibody Peroxidase Conjugated -**Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Anti-FOLATE BINDING PROTEIN (Bovine Milk) (GOAT) Antibody Peroxidase Conjugated -**Images**

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



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# **Background**

Folate-binding protein (FBP) are proteins that bind folate, typically the folate receptors and reduced folate carrier. In cancer research it can be a marker for ovarian cancer. It can be measured to help in tumor classification to aid treatment. FBP is over-expressed (20-80 fold) in more than 90% of ovarian and endometrial cancers, as well as 20-50% of breast, lung, colorectal, and renal cell carcinomas. FBP has very limited tissue distribution and expression in non-malignant tissue, making it a good immunotherapy target.