

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-ethylbenzothiazoline-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 product.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Folate Binding Protein [Bovine Milk]
Reconstitution Volume	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

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 Cytometry](#)
- [Cell Culture](#)

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

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

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.