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Datasheet for 100-401-250

BIVM Antibody

Overview

Description:	Anti-BIVM (C-terminal specific) (RABBIT) Antibody - 100-401-250
Item No.:	100-401-250
Size:	100 µL
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	BIVM (for basic, immunoglobulin-like variable motif-containing) refers to a recently identified gene product that maps to human chromosome 13q32-q33 and is predicted to encode a 503-amino acid protein. BIVM shows ubiquitous expression in normal human tissue and the presence of a 5' CpG island suggests it is a housekeeping gene. BIVM is likely essential for some aspect of basic cellular function. BIVM is highly charged and localizes to the cytoplasm and nucleus where it may bind to either DNA or RNA or associate with other cellular proteins. Significant sequence homology exists with many organisms.
Synonyms:	rabbit anti-BIVM Antibody, Basic immunoglobulin-like variable motif-containing protein , BIVM
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	BIVM
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	BIVM peptide corresponding to a region near carboxy terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).

Purity/Specificity:	This product was prepared from monospecific antiserum by delipidation and defibrination. This polyclonal antibody reacts with BIVM. This conserved protein is present in many tissues and organisms and therefore cross-reactivity with BIVM from other sources is likely but has not been determined.
Relevant Links:	• UniProtKB - Q86UB2 • NCBI - NP_001153068.1 • GeneID - 54841

Application Details

Tested Applications:	ELISA, WB
Application Note:	This polyclonal antibody reacts human BIVM at the C-terminal region and is useful for detection of BIVM by ELISA or western blotting. For immunoblotting a 57 kDa band corresponding to human BIVM is detected. Unstimulated HeLa cells can be used as a positive control. Although not tested, this antibody is likely functional in immunohistochemistry and immunoprecipitation.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:25,000
WB:	1:1,000

Formulation

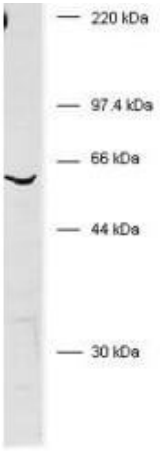
Physical State:	Liquid (sterile filtered)
Concentration:	90 mg/mL by Refractometry
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot of anti-human BIVM. Whole cell HeLa lysate was used to probe for endogenous BIVM using Rabbit-anti-Human BIVM (C-terminal specific) polyclonal antibody. A 57 kDa band corresponding to human BIVM protein is detected using a 1:1,000 dilution of the antiserum incubated for 1 hour at room temperature. Washes with 1% Tween-20 TBS preceded reaction with HRP Gt-a-Rabbit IgG (H&L) code 611-103-122 diluted 1:10,000 and incubated for 1 hour at room temperature. The blot was developed using a chemiluminescent detection method (AP ECL 60 sec followed by a 45 sec exposure). Other detection methods will yield similar results.

Disclaimer

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