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Datasheet for 600-401-BQ9

HEPACAM2 Antibody

Overview

Description:	Anti-HEPACAM2 (RABBIT) Antibody - 600-401-BQ9
Item No.:	600-401-BQ9
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	HEPACAM2 (Hepatocyte cell adhesion molecule 2), a type I N-linked transmembrane glycoprotein, belongs to the immunoglobulin superfamily. The exact function of HEPACAM2 is currently unknown, but the related protein HEPACAM forms cishomodimers on the cell surface to regulate the cell adhesion and may inhibit cell growth through suppression of cell proliferation. HEPACAM and HEPACAM2 mRNA are differentially regulated in canine tumors, with HEPACAM2 mRNA showing increased levels in adenomas, but decreased levels in metastatic carcinomas compared to normal tissues, while HEPACAM protein levels decreased in adenomas. It is therefore likely that HEPACAM2 plays a different role than HEPACAM in the development and progression to tumors.
Synonyms:	HEPACAM2 Antibody, MIKI, MIKI, UNQ305/PRO346, HEPACAM family member 2, Mitotic kinetics regulator
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HEPACAM2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti- HEPACAM2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the C-terminus of human HEPACAM2.
Purity/Specificity:	Anti-HEPACAM2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. HEPACAM2 antibody is human, mouse and rat reactive. At least two isoforms of HEPACAM2 are known to exist; this antibody will detect both isoforms. HEPACAM2 antibody is predicted to not cross-react with HEPACAM.
Relevant Links:	• UniProtKB - A8MVW5 • GeneID - 253012 • NCBI - NP_001034461

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-HEPACAM2 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 51 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000 - 1:10000
WB:	0.5-1 µg/mL

Formulation

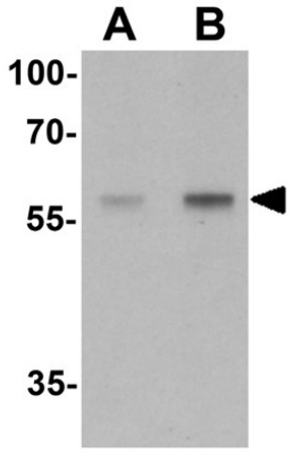
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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 analysis of HEPACAM2.
Load: mouse brain tissue lysate.
Primary Antibody: HEPACAM2 antibody at (A) 0.5 µg/mL and (B) 1 µg/mL.

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