



FabGennix Inc.
INTERNATIONAL

New Item
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Antibodies to RNA recognition motif (RRM/RBD/RNP domain) containing proteins
Anti-APN2 (Similar to HDCMA18P) antibodies Cat # APN2-101AP, P-APN2 and C-APN2.

Alternate nomenclature: CD13 antigen, HDCMA18,

The RNA recognition motif, also known as RNA binding motif, is probably diagnostic of an RNA binding protein. RRM's are found in a variety of RNA binding proteins, including various hnRNP proteins, proteins implicated in regulation of alternative splicing, and protein components of snRNPs. The motif also appears in a few single stranded DNA binding proteins. The RRM structure consists of four strands and two helices arranged in an alpha/beta sandwich, with a third helix present during RNA binding in some cases. There is a second region towards the C terminus that has some features of a rrm but does not appear to have the important structural core of a rrm. The LA proteins are one of the main auto antigens in Systemic lupus. The APN2 protein was recently sequenced under mammalian gene cloning project (MGC). This clone was sequenced because it matches with the complete sequence of mRNA corresponding to gi: 7705400.

The APN2 (HDCMA18P) is a soluble protein with several structural motifs at the N-terminal end of the protein including a La protein interaction site and a strong RRM regions. The protein is also involved in signal transduction leading to malignant signals. The 77-79 kDa APN2 protein is generally expressed in detectable quantities in various cell lines and malignant tissues.

The Anti-APN2-selective antibodies were generated in rabbits against unique epitopes that reside on the surface of the protein. The APN2 epitope corresponds to 255-271 aa on the APN2 gene. FabGennix Inc. has generated specific rabbit anti-APN2 antibodies using linear and post-translationally modified peptide methodology. These antibodies have been characterized by ELISA and dot blot assays using various cancer cell lines. FabGennix Inc. has also produced other related antibodies that will facilitate breast and other type of cancer detection. These antibodies include Anti-SERHL, Anti-mucin, Anti-p14arf, Anti-src, Anti-Ras, Anti-CAB2, Anti-XTP4 and others. For a complete listing please visit our website at www.FabGennix.com. FabGennix Inc. also provides limited quantities of antigenic blocking peptides for APN2 antibodies.

Catalog #	Description	Antigen/Positive control	Cross reactivity	Qty	Price
APN2-101AP	Affinity purified APN2 Antibody	Near mid-region epitope	H	100 ug	\$225
P-APN2	Antigenic blocking peptide	n/a	250 ug	150ul	\$150
PC-APN2	Western blot positive control	Ready-to use control for WB	5 applications	150ul	inquire

R = rat; M = mouse; H = humans; R = rabbit * Actual volume is between 150-200 ul; WB, Western Blot analyses; IMM, Immunoprecipitation; IHC, Immunohistochemistry, n.d, not determine; * cross reactivity to other species have not been determined.

Concentration: APN2-101AP = IgG concentration 0.5-0.86 mg/ml.

Applications: ELISA: Antibody dilution 1:10,000 -100,000 for ELISA or DOT blot assay. W.B: 1:400; IMM: n.d; IHC n.d.

Protocols: Standard protocol for various applications (Western blot; immunoprecipitation and immunohistochemistry) of this antibody is provided with the product specification sheet, however, FabGennix Inc. recommends investigators to optimize conditions.

Form/Storage: The antiserum is supplied in antibody stabilization buffer. For long-term storage of antibody, store at -20°C. FabGennix Inc. does not recommend storage of very dilute antibody solutions unless they are prepared in specially formulated multi use antibody dilution buffer (Cat # DiluOBuffer). Working solutions of antibodies in DiluOBuffer should be filtered through 0.45µ filter after every use for long-term storage.

Notes: Briefly centrifuge to collect liquid, heat PC-PIN1 tube to dissolve any precipitate before use. This product is "ready-to-use" for electrophoresis. After thawing store at room temperature, repeated freezing and thawing may result in appearance of higher MW immunoreactive bands.

New Reagents: Now you can recycle western blots (nitrocellulose, supported membranes & PVDF) using our StripOBuffer (Cat FGI-1989). Each stripping is guaranteed to give better signal (up to 8 stripping). No strong pungent smell of reducing agents or heating required. Block in 5X diluOBuffer and you are ready for blotting with a new antibody

References:

1. R. L. Friedman, S. P. Manly, M. McMahon, I. M. Kerr, and G. R. Stark, Cell, 38: 745-755, 1984
2. Rasmussen UB, Wolf C, Mattei MG, Chenard MP, Bellocq JP, Chambon P, Rio MC, Basset P. Identification of a new interferon-alpha-inducible gene (p27) on human chromosome 14q32 and its expression in breast carcinoma. Cancer Res. 1993 Sep 1;53(17):4096-101.
3. Suomela S, Cao L, Bowcock A, Saarialho-Kere U. Interferon alpha-inducible protein 27 (IFI27) is upregulated in psoriatic skin and certain epithelial cancers. J Invest Dermatol. 2004 Mar;122(3):717-21.

* For users who may require large amounts of APN2-101, please enquire about bulk material discounts.
This Product is for Research Use Only and is NOT intended for use in humans or clinical diagnosis.

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