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Datasheet

RNASEL monoclonal antibody, clone 2E9

Catalog Number: MAB2378

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against full length recombinant RNASEL.

Clone Name: 2E9

Immunogen: Recombinant protein corresponding to full length human RNASEL.

Host: Mouse

Reactivity: Human,Primates

Applications: ELISA, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody is specific to human RNaseL.

Form: Liquid

Isotype: IgG1, kappa

Recommend Usage: Western Blot (1:1000-1:4000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.1% sodium azide)

Storage Instruction: Store at -20°C or -80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6041

Gene Symbol: RNASEL

Gene Alias: DKFZp781D08126, MGC104972, MGC133329, PRCA1, RNS4

Gene Summary: This gene encodes a component of the interferon-regulated 2-5A system that functions in the antiviral and antiproliferative roles of interferons. Mutations in this gene have been associated with predisposition to prostate cancer and this gene is a candidate for the hereditary prostate cancer 1 (HPC1) allele. [provided by RefSeq]

References:

1. A phylogenetically conserved RNA structure in the poliovirus open reading frame inhibits the antiviral endoribonuclease RNase L. Han JQ, Townsend HL, Jha BK, Paranjape JM, Silverman RH, Barton DJ. J Virol. 2007 Jun;81(11):5561-72. Epub 2007 Mar 7.
2. Germline mutations in the ribonuclease L gene in families showing linkage with HPC1. Carpten J, Nupponen N, Isaacs S, Sood R, Robbins C, Xu J, Faruque M, Moses T, Ewing C, Gillanders E, Hu P, Bujnovszky P, Makalowska I, Baffoe-Bonnie A, Faith D, Smith J, Stephan D, Wiley K, Brownstein M, Gildea D, Kelly B, Jenkins R, Hostetter G, Matikainen M, Schleutker J, Klinger K, Connors T, Xiang Y, Wang Z, De Marzo A, Papadopoulos N, Kallioniemi OP, Burk R, Meyers D, Gronberg H, Meltzer P, Silverman R, Bailey-Wilson J, Walsh P, Isaacs W, Trent J. Nat Genet. 2002 Feb;30(2):181-4. Epub 2002 Jan 22.
3. Elevated levels of 2',5'-linked oligoadenylate-dependent ribonuclease L occur as an early event in colorectal tumorigenesis. Wang L, Zhou A, Vasavada S, Dong B, Nie H, Church JM, Williams BR, Banerjee S, Silverman RH. Clin Cancer Res. 1995 Nov;1(11):1421-8.