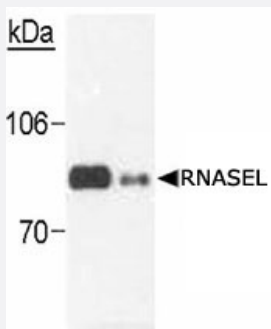


RNASEL monoclonal antibody, clone 2E9

Catalog # MAB2378

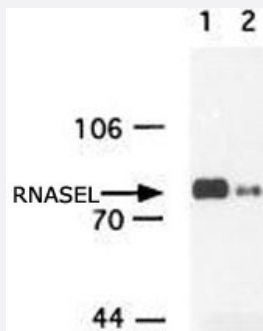
Size 100 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of RNASEL in transfected cells (0.1 ug) and Hey1B (100 ug), using RNASEL monoclonal antibody, clone 2E9 (Cat # MAB2378).



Western Blot (Transfected lysate)

Western blot analysis of RNASEL in insect cell extracts transfected with recombinant human RNASEL using RNASEL monoclonal antibody, clone 2E9 (Cat # MAB2378).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant RNASEL.
Immunogen	Recombinant protein corresponding to full length human RNASEL.
Host	Mouse
Reactivity	Human, Primates
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 (0.09% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of RNASEL in transfected cells (0.1 ug) and Hey1B (100 ug), using RNASEL monoclonal antibody, clone 2E9 (Cat # MAB2378).

- Western Blot (Transfected lysate)

Western blot analysis of RNASEL in insect cell extracts transfected with recombinant human RNASEL using RNASEL monoclonal antibody, clone 2E9 (Cat # MAB2378).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — RNASEL

Entrez GeneID	6041
Gene Name	RNASEL
Gene Alias	DKFZp781D08126, MGC104972, MGC133329, PRCA1, RNS4
Gene Description	ribonuclease L (2',5'-oligoadenylate synthetase-dependent)
Omim ID	180435 601518
Gene Ontology	Hyperlink
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 pre disposition to prostate cancer and this gene is a candidate for the hereditary prostate cancer 1 (HPC1) allele. [provided by RefSeq]
Other Designations	2',5'-oligoadenylate synthetase-dependent[OTTHUMP00000033148]interferon-induced 2-5A-dependent RNase[ribonuclease 4]ribonuclease L

Publication Reference

- [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.

Journal of Virology 2007 Mar; 81(11):5561.

Application: WB-Tr, Human, HeLa cells

- [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.

Nature Genetics 2002 Feb; 30(2):181.

Application: IHC-P, Human, Human hereditary prostate cancer

- [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.

Clinical Cancer Research 1995 Nov; 1(11):1421.

Application: IHC-Fr, WB-Ti, Human, Human colorectal tumors

- [2-5A-dependent RNase molecules dimerize during activation by 2-5A.](#)

Dong B, Silverman RH.

The Journal of Biological Chemistry 1995 Feb; 270(8):4133.

Application: WB-Re, Recombinant protein

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Biliary Tract Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)

- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis C](#)
- [Inflammation](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
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- [Pancreatic Neoplasms](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)
- [West Nile Fever](#)