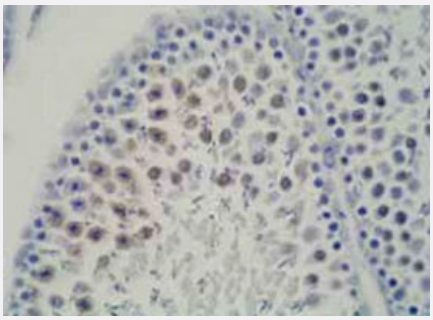
DDX39 monoclonal antibody, clone 2E4

Catalog # MAB6576 Size 50 ug

Applications



Immunohistochemistry

Immunohistochemical satining of rat testis tissue with DDX39 monoclonal antibody, clone 2E4 (Cat # MAB6576).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of DDX39.
Immunogen	A synthetic peptide corresponding to N-terminus of human DDX39.
Host	Mouse
Reactivity	Human, Rat
Form	Liquid
Recommend Usage	ELISA (1 ug/mL) Immunohistochemistry (3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.1% proclin, 2% Block Ace)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry

  Immunohistochemical satining of rat testis tissue with DDX39 monoclonal antibody, clone 2E4 (Cat # MAB6576).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — DDX39

Entrez GeneID	10212
Gene Name	DDX39
Gene Alias	BAT1, BAT1L, DDXL, MGC18203, MGC8417, URH49
Gene Description	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the DEAD box protein family. These proteins are characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD) and are putative RNA helicases. They are impli cated in a number of cellular processes involving alteration of RNA secondary structure, such as tr anslation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. [provided by RefSeq
Other Designations	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 transcript|DEAD/H (Asp-Glu-Ala-Asp/His) box poly peptide 39|UAP56-related helicase, 49 kDa|nuclear RNA helicase, DECD variant of DEAD box f amily

Publication Reference

- The RNA helicase DDX39A binds a conserved structure in chikungunya virus RNA to control infection.

  Iulia Tapescu, Frances Taschuk, Swechha M Pokharel, Oleksandr Zginnyk, Max Ferretti, Peter F Bailer, Kanupryia Whig, Emily A Madden, Mark T Heise, David C Schultz, Sara Cherry.

  Molecular Cell 2023 Nov; 83(22):4174.

  Application: IF, IP, WB, Human, HEK293T, U20S cells

- Intracellular characterization of DDX39, a novel growth-associated RNA helicase.

  Sugiura T, Sakurai K, Nagano Y.

  Experimental Cell Research 2007 Feb; 313(4):782.

- Growth-regulated expression and G0-specific turnover of the mRNA that encodes URH49, a mammalian DExH/D box protein that is highly related to the mRNA export protein UAP56.

  Pryor A, Tung L, Yang Z, Kapadia F, Chang TH, Johnson LF.

  Nucleic Acids Research 2004 Mar; 32(6):1857.

- Complete sequencing and characterization of 21,243 full-length human cDNAs.

  Ota T, Suzuki Y, Nishikawa T, Otsuki T, Sugiyama T, Irie R, Wakamatsu A, Hayashi K, Sato H, Nagai K, Kimura K, Makita H, Sekine M, Obayashi M, Nishi T, Shibahara T, Tanaka T, Ishii S, Yamamoto J, Saito K, Kawai Y, Isono Y, Nakamura Y, Nagahari K, Murakami K, Yasuda T, Iwayanagi T, Wagatsuma M, Shiratori A, Sudo H, Hosoiri T, Kaku Y, Kodaira H, Kondo H, Sugawara M, Takahashi M, Kanda K, Yokoi T, Furuya T, Kikkawa E, Omura Y, Abe K, Kamihara K, Katsuta N, Sato K, Tanikawa M, Yamazaki M, Ninomiya K

  Nature Genetics 2003 Dec; 36(1):40.