

Rabbit Anti-DHX29/AF350 Conjugated antibody

SL14312R-AF350

Product Name Anti-DHX29/AF350

Chinese Name AF350 标记的 ATP-依赖的 RNA 解旋酶 29 抗体

Alias DDX29; DHX29_HUMAN; DEAH (Asp Glu Ala Asp/His) box polypeptide 29; DEAH (Asp Glu Ala His) box polypeptide 29; DEAH box protein 29; Nucleic acid helicase DDXx; Putative ATP dependent RNA helicase DHX29.

Research Area Cell biology transcriptional regulatory factor Binding protein Epigenetics

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted:Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,Chimpanzee,Gorilla,Chinese Hamster)

Applications ICC/IF=1:50-200,IF=1:100-500
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Molecular weight 155kDa

Form Lyophilized or Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DHX29

Lsotype IgG

Purification affinity purified by Protein A

Storage Buffer 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Product Detail **background:**
DDX29 is a 1,369 amino acid protein encoded by the human gene DDX29. This protein

belongs to the DEAD box helicase family (DEAH subfamily) and contains one helicase ATP-binding domain and one helicase C-terminal domain. DDX29 is a nuclear protein found on chromosome 5 that likely functions as an ATP-dependent RNA helicase. RNA helicases are highly conserved enzymes that utilize the energy derived from NTP hydrolysis to modulate the structure of RNA. RNA helicases participate in all biological processes that involve RNA, including transcription, splicing and translation.

Function:

DHX29 belongs to the DEAD box helicase family in the DEAH subfamily. It contains 1 helicase ATP-binding domain and 1 helicase C-terminal domain. DHX29 may be involved in ATP-dependent DNA or RNA unwinding.

Subunit:

Part of the 43S pre-initiation complex that contains at least Met-tRNA, EIF1, EIF1A (EIF1AX or EIF1AY), EIF2S1, EIF2S2, EIF2S3, EIF3A, EIF3B, EIF3C, EIF3D, EIF3E, EIF3F, EIF3G, EIF3H, EIF3I, EIF3J, EIF3K, EIF3L, EIF3M, DHX29 and the 40S ribosomal subunit.

Subcellular Location:

Cytoplasmic

Similarity:

Belongs to the DEAD box helicase family. DEAH subfamily.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.

Database links:

[Entrez Gene: 54505](#) Human

[SwissProt: Q7Z478](#) Human

[Unigene: 593268](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.