



Rabbit Anti-DHX29 antibody

SL14312R

Product Name DHX29**Chinese Name** 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** IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
(Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.**Theoretical molecular weight** 155kDa**Cellular localization** cytoplasmic**Form** Liquid**Concentration** 1mg/ml**immunogen** KLH conjugated synthetic peptide derived from human DHX29: 31-130/1369**Lsotype** IgG**Purification** affinity purified by Protein A**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



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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

**Product
Detail**

Similarity:

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

SWISS:

Q7Z478

Gene ID:

54505

Database links:

[Entrez Gene: 54505](#) Human

[SwissProt: Q7Z478](#) Human

[Unigene: 593268](#) Human