

DHX29 Rabbit pAb

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Catalog # AP55519

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q7Z478
Predicted	Rat, Pig, Dog, Chimpanzee, Gorilla, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	155236
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DHX29
Epitope Specificity	31-130/1369
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	54505
Other Names	ATP-dependent RNA helicase DHX29 {ECO:0000255 HAMAP-Rule:MF_03068}, 3.6.4.13 {ECO:0000255 HAMAP-Rule:MF_03068}, DEAH box protein 29 {ECO:0000255 HAMAP-Rule:MF_03068}, Nucleic acid helicase DDXx, DHX29 {ECO:0000255 HAMAP-Rule:MF_03068}, DDX29
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DHX29 {ECO:0000255 HAMAP-Rule:MF_03068}
Synonyms	DDX29
Function	ATP-binding RNA helicase involved in translation initiation. Part of the 43S pre-initiation complex that is required for efficient initiation on mRNAs of higher eukaryotes with structured 5'-UTRs by promoting efficient NTPase-dependent 48S complex formation. Specifically binds to the 40S ribosome near the mRNA entrance. Does not possess a processive helicase activity.
Cellular Location	Cytoplasm {ECO:0000255 HAMAP-Rule:MF_03068}.

Background

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