ARG63435
anti-DDX5 / p68 RNA helicase antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DDX5 / p68 RNA helicase
Tested Reactivity	Hu, Ms
Predict Reactivity	Dog, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DDX5 / p68 RNA helicase
Species	Human
Immunogen	C-PMIGYPMPTGYSQ
Conjugation	Un-conjugated
Alternate Names	Probable ATP-dependent RNA helicase DDX5; DEAD box protein 5; p68; HUMP68; EC 3.6.4.13; G17P1; RNA helicase p68; HLR1

Application Instructions

Application table

Application	Dilution
ICC/IF	1:100
IHC-P	Assay - dependent
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

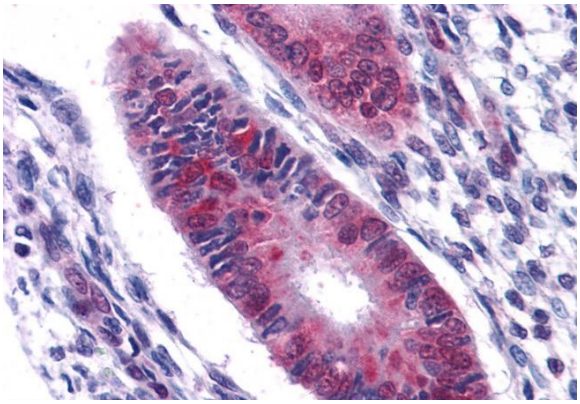
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

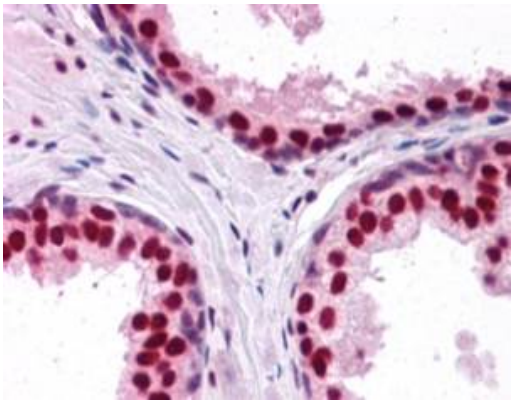
Database links	GeneID: 1655 Human Swiss-port # P17844 Human
Background	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which is a RNA-dependent ATPase, and also a proliferation-associated nuclear antigen, specifically reacting with the simian virus 40 tumor antigen. This gene consists of 13 exons, and alternatively spliced transcripts containing several intron sequences have been detected, but no isoforms encoded by these transcripts have been identified. [provided by RefSeq, Jul 2008]
Research Area	Gene Regulation antibody
Calculated Mw	69 kDa
PTM	Arg-502 is dimethylated, probably to asymmetric dimethylarginine. Sumoylated; sumoylation, promoted by PIAS1, promotes interaction with HDAC1 and transcriptional repression activity. Sumoylation also significantly increases stability, and reduces polyubiquitination. Polyubiquitinated, leading to proteasomal degradation.

Images



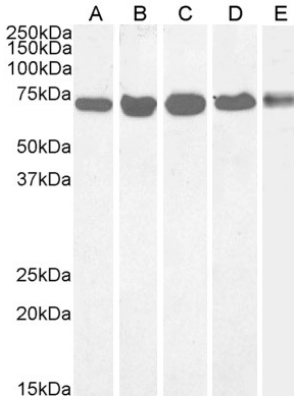
ARG63435 anti-DDX5 / p68 RNA helicase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human uterus tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63435 anti-DDX5 / p68 RNA helicase antibody at 2.5 µg/ml dilution followed by AP-staining.



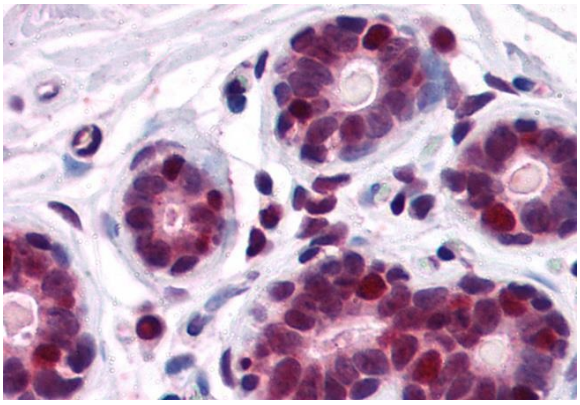
ARG63435 anti-DDX5 / p68 RNA helicase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63435 anti-DDX5 / p68 RNA helicase antibody at 2.5 µg/ml dilution followed by AP-staining.



ARG63435 anti-DDX5 / p68 RNA helicase antibody WB image

Western blot: 35 µg of A431 (A), HeLa (B), HepG2 (C), Jurkat (D) and NIH/3T3 (E) cell lysates (in RIPA buffer) stained with ARG63435 anti-DDX5 / p68 RNA helicase antibody at 0.5 µg/ml dilution and incubated at RT for 1 hour.



ARG63435 anti-DDX5 / p68 RNA helicase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63435 anti-DDX5 / p68 RNA helicase antibody at 2.5 µg/ml dilution followed by AP-staining.