

# p68 RNA Helicase rabbit pAb

Cat No.:ES3131

For research use only

## Overview

Product Name	p68 RNA Helicase rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human DDX5/DEAD-box Protein 5. AA range:565-614
Specificity	p68 RNA Helicase Polyclonal Antibody detects endogenous levels of p68 RNA Helicase protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Probable ATP-dependent RNA helicase DDX5
Gene Name	DDX5
Cellular localization	Nucleus . Nucleus, nucleolus . Cytoplasm . During the G0 phase, predominantly located in the nucleus. Cytoplasmic levels increase during the G1/S phase. During the M phase, located at the vicinity of the condensed chromosomes. At G1, localizes in the cyto
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	70kD
Human Gene ID	1655
Human Swiss-Prot Number	P17844
Alternative Names	DDX5; G17P1; HELR; HLR1; Probable ATP-dependent RNA helicase DDX5; DEAD box protein 5; RNA

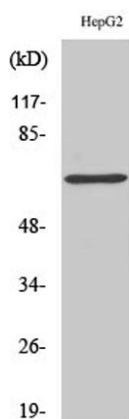




## Background

### helicase p68

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016],



Western Blot analysis of various cells using p68 RNA Helicase Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

Immunofluorescence analysis of HeLa cells, using DDX5/DEAD-box Protein 5 Antibody. The picture on the right is blocked with the synthesized peptide.

