



# Gemin3 rabbit pAb

Cat No.:ES4620

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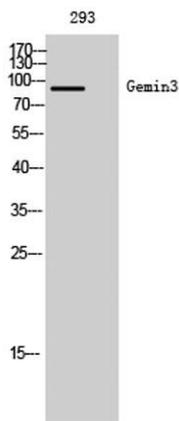
## Overview

|                                 |  |
|---------------------------------|--|
| <b>Product Name</b>             | Gemin3 rabbit pAb  |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Mouse  |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.  |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human DDX20. AA range:273-322  |
| <b>Specificity</b>              | Gemin3 Polyclonal Antibody detects endogenous levels of Gemin3 protein.  |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | Probable ATP-dependent RNA helicase DDX20  |
| <b>Gene Name</b>                | DDX20  |
| <b>Cellular localization</b>    | Cytoplasm . Nucleus, gem . Localized in subnuclear structures next to coiled bodies, called Gemini of Cajal bodies (Gems). .                   |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                          |
| <b>Clonality</b>                | Polyclonal   |
| <b>Concentration</b>            | 1 mg/ml  |
| <b>Observed band</b>            | 90kD   |
| <b>Human Gene ID</b>            | 11218  |
| <b>Human Swiss-Prot Number</b>  | Q9UHI6   |
| <b>Alternative Names</b>        | DDX20; DP103; GEMIN3; Probable ATP-dependent RNA helicase DDX20; Component of gems 3; DEAD box protein 20; DEAD box protein DP 103; Gemin-3    |
| <b>Background</b>               | DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of |

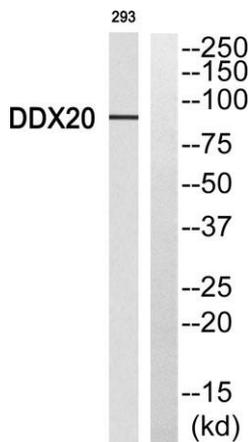




cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which has an ATPase activity and is a component of the survival of motor neurons (SMN) complex. This protein interacts directly with SMN, the spinal muscular atrophy gene product, and may play a catalytic role in the function of the SMN complex on RNPs. [provided by RefSeq, Jul 2008],



Western Blot analysis of 293 cells using Gemin3 Polyclonal Antibody

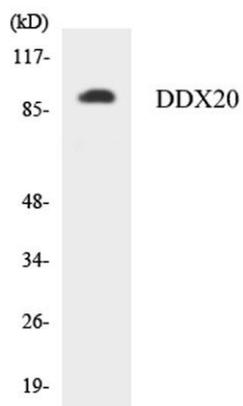


Western blot analysis of DDX20 Antibody. The lane on the right is blocked with the DDX20 peptide.





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Western blot analysis of the lysates from K562 cells using DDX20 antibody.



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