

## Product datasheet for **TA370081**

### DDX54 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: 293T/A549 and HEPG2 cell lysates IHC: 10-50 Positive control: Human thyroid cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human DDX54
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	99 kDa
Gene Name:	DEAD-box helicase 54
Database Link:	<a href="#">Entrez Gene 79039 Human Q8TDD1</a>



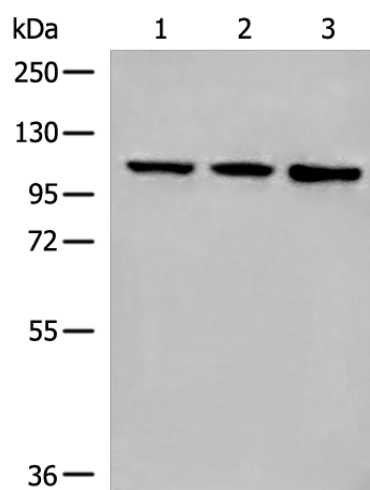
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**Background:**

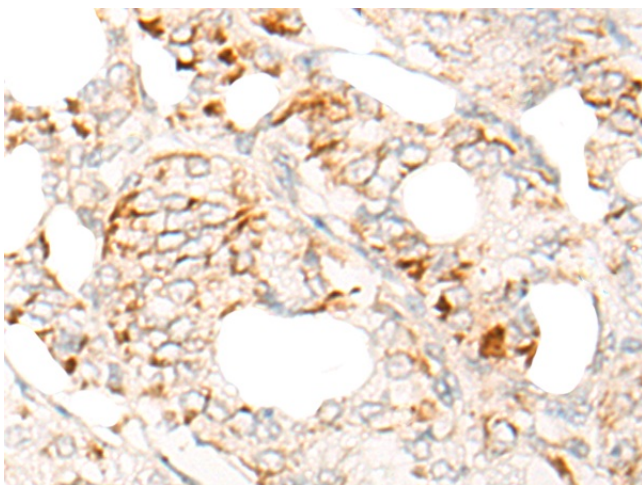
This gene encodes a member of the DEAD box protein family. DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, 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. The nucleolar protein encoded by this gene interacts in a hormone-dependent manner with nuclear receptors, and represses their transcriptional activity. Alternative splice variants that encode different isoforms have been found for this gene.

**Synonyms:**

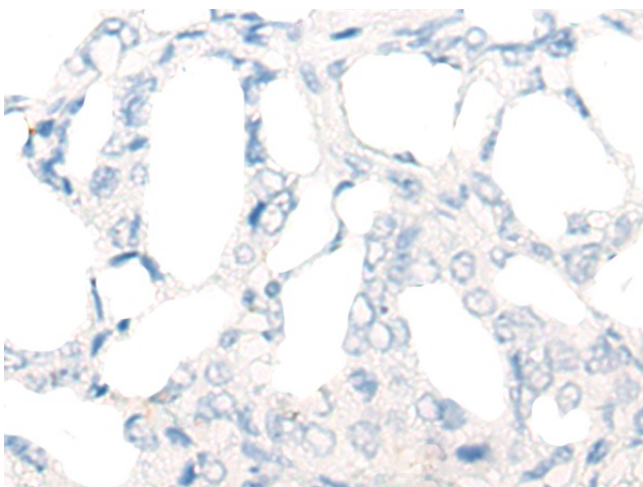
APR-5; DP97; MGC2835

**Product images:**

Gel: 8%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane 1-3: 293T  
A549 and HEPG2 cell lysates  
Primary antibody: TA370081 (DDX54 Antibody) at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 second



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA370081 (DDX54 Antibody) at dilution 1/20 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA370081 (DDX54 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)