

## Product datasheet for **TA384094S**

### DDX5 Rabbit Monoclonal Antibody [Clone ID: R04-2K2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	R04-2K2
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB: 1/2000-1/10000 IHC: 1/50 ICC/IF: 1/50 IP: 1/20
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human DDX5
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 69 kDa; Observed MW: 69 kDa
Gene Name:	DEAD-box helicase 5
Database Link:	<a href="#">Entrez Gene 1655 Human P17844</a>



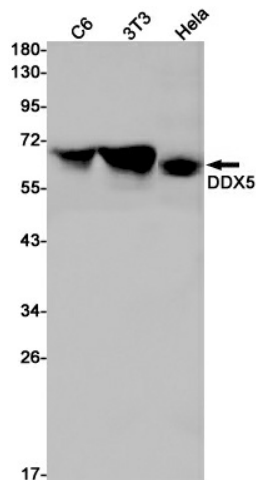
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**Background:**

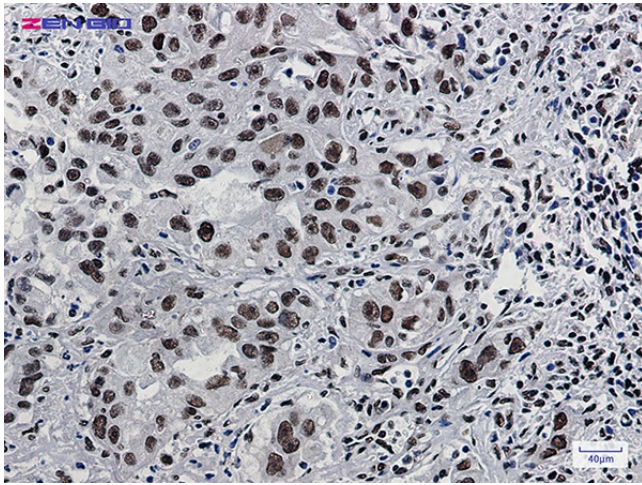
Swiss-Prot Acc.P17844. Involved in the alternative regulation of pre-mRNA splicing; its RNA helicase activity is necessary for increasing tau exon 10 inclusion and occurs in a RBM4-dependent manner. Binds to the tau pre-mRNA in the stem-loop region downstream of exon 10. The rate of ATP hydrolysis is highly stimulated by single-stranded RNA. Involved in transcriptional regulation; the function is independent of the RNA helicase activity. Transcriptional coactivator for androgen receptor AR but probably not ESR1. Synergizes with DDX17 and SRA1 RNA to activate MYOD1 transcriptional activity and involved in skeletal muscle differentiation. Transcriptional coactivator for p53/TP53 and involved in p53/TP53 transcriptional response to DNA damage and p53/TP53-dependent apoptosis. Transcriptional coactivator for RUNX2 and involved in regulation of osteoblast differentiation. Acts as transcriptional repressor in a promoter-specific manner; the function probably involves association with histone deacetylases, such as HDAC1. As component of a large PER complex is involved in the inhibition of 3' transcriptional termination of circadian target genes such as PER1 and NR1D1 and the control of the circadian rhythms.

**Synonyms:**

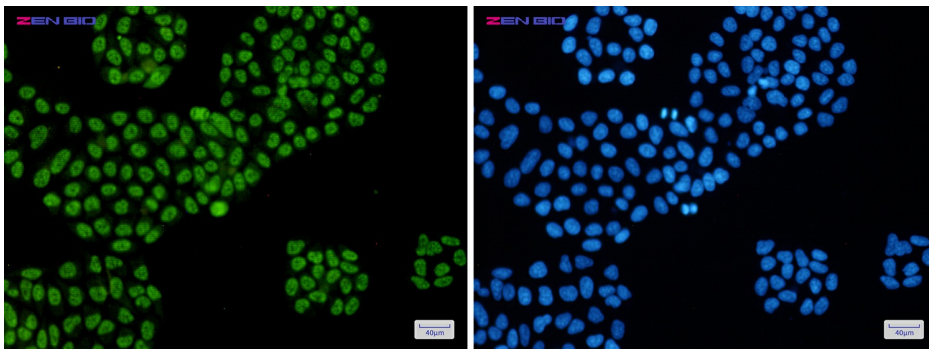
DKFZp434E109; DKFZp686J01190; G17P1; HELR; HLR1; HUMP68; p68

**Product images:**

Western blot analysis of DDX5 in C6, 3T3, HeLa lysates using DDX5 antibody.



Immunohistochemistry of DDX5 in paraffin-embedded Human lung cancer tissue using DDX5 Rabbit mAb at dilution 1/50



Immunocytochemistry of DDX5 (green) in HeLa cells using DDX5 Rabbit mAb at dilution 1/5, and DAPI(blue)