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**Research Use Only. Not for diagnostic or therapeutic use.**

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

## EB06310 - Goat Anti-DDX5 / p68 RNA helicase Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DEAD box-5, ATP-dependent RNA helicase DDX5, DKFZp686J01190, DKFZp434E109, DEAD (Asp-Glu-Ala-Asp) box polypeptide 5, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68kD), DEAD/H box-5 (RNA helicase, 68kD), RNA-dependent ATPase, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68kDa), HUMP68, G17P1, HLR1, P68, DDX5

**Official Symbol:** DDX5

**Accession Number(s):** NP\_004387.1

**Human GeneID(s):** [1655](#)

**Non-Human GeneID(s):** 13207 (mouse)

### Immunogen

Peptide with sequence C-PMIGYPMPTGYSQ, from the C Terminus of the protein sequence according to NP\_004387.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx 70kDa band observed in human epidermoid carcinoma A431 lysates (calculated MW of 69.1kDa according to NP\_004387). Recommended concentration: 0.11-0.3µg/ml.

**IHC:** In paraffin embedded Human Prostate shows nuclear staining of the secretory cells in the glands. Recommended concentration, 2-5µg/ml.

**Immunofluorescence:** A customer has reported successful staining at a dilution of 1:100 on HT-1080 cells with a Rhodamine conjugated secondary antibody.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog

### Specific Reference

The goat polyclonal antibody used in this paper was manufactured by us:

Fukuda T, Yamagata K, Fujiyama S, Matsumoto T, Koshida I, Yoshimura K, Mihara M, Naitou M, Endoh H, Nakamura T, Akimoto C, Yamamoto Y, Katagiri T, Foulds C, Takezawa S, Kitagawa H, Takeyama K, O'Malley BW, Kato S.

DEAD-box RNA helicase subunits of the Drosha complex are required for processing of rRNA and a subset of microRNAs.

Nat Cell Biol. 2007 May;9(5):604-11.

**PMID:** 17435748



EB06310 staining (0.5 $\mu$ g/ml) of A431 cell lysate (RIPA buffer, 35 $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



EB06310 (2.5 $\mu$ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.