

## DDX54 polyclonal antibody

Catalog: BS61585

Host: Rabbit

Reactivity: Human

### BackGround:

DEAD-box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp, are putative RNA helicases implicated in several cellular processes involving modifications of RNA secondary structure and ribosome/spliceosome assembly. Based on their distribution patterns, some members of this family may be involved in embryogenesis, spermatogenesis, and cellular growth and division. DDX54 (DEAD polypeptide 54), also known as DP97, is an 881 amino acid protein that contains 2 bipartite nuclear localization signals, 3 nuclear receptor boxes (LXXLL motifs), a potential CoRNR box, and several stretches of glutamate and lysine residues. DDX54 is ubiquitously expressed, with highest expression in pancreas and lung. DDX54 co-localizes with ER $\alpha$  to structures in the nucleoplasm. DDX54 represses ER $\alpha$  transcriptional activity and acts as a nuclear receptor co-repressor against ER $\beta$ , progesterone, glucocorticoid and RAR $\alpha$ .

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 98 kDa

### Swiss-Prot:

Q8TDD1

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE)

### Applications:

WB: 1:500~1:1000

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

DDX54 polyclonal antibody detects endogenous levels of DDX54 protein.

### DATA:



Western blot (WB) analysis of DDX54 polyclonal antibody at 1:500 dilution

Lane1:HCC827 whole cell lysate(40ug)

Lane2:L02 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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