

#### **International Office**

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Research Use Only. Not for diagnostic or therapeutic use.

## EB08003 - Goat Anti-DDX58 Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

Principal Names: DDX58, DEAD (Asp-Glu-Ala-Asp) box polypeptide 58,

DKFZp434J1111, DKFZp686N19181, FLJ13599, RIG-I, DEAD/H (Asp-Glu-Ala-Asp/His)

box polypeptide, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide RIG-I,

OTTHUMP00000045225, RNA helicase, RNA helicase RIG-I, retinoic acid-inducible gene

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Official Symbol: DDX58

Accession Number(s): NP\_055129.2

Human GenelD(s): 23586

### Immunogen

Peptide with sequence C-KDFHFEKIPFDPAE, from the C Terminus of the protein sequence according to NP\_055129.2.

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 1:32000.

**IHC:** Paraffin embedded Human Spleen, Placenta, and Brain (Cortex). Recommended concentration: 3.75µg/ml.

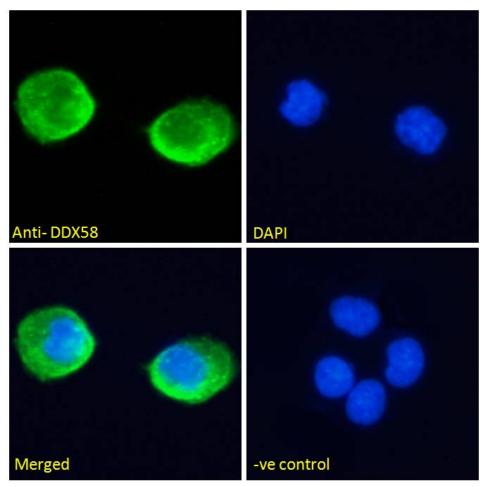
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 and HeLa cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of U937 cells. Recommended concentration: 10ug/ml.

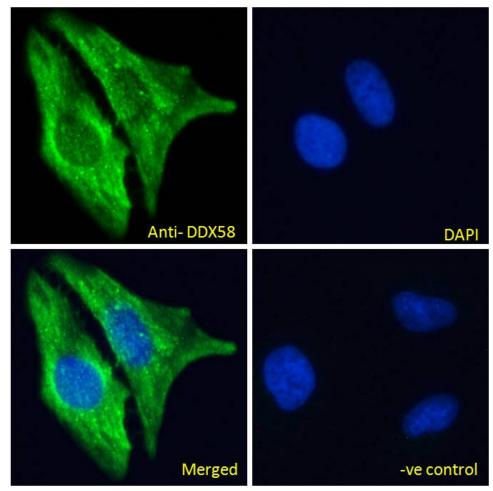
# **Species Reactivity**

Tested: Human

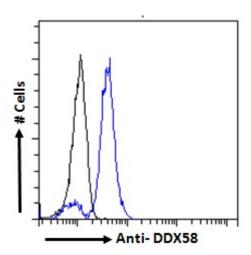
Expected from sequence similarity: Human, Mouse



EB08003 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

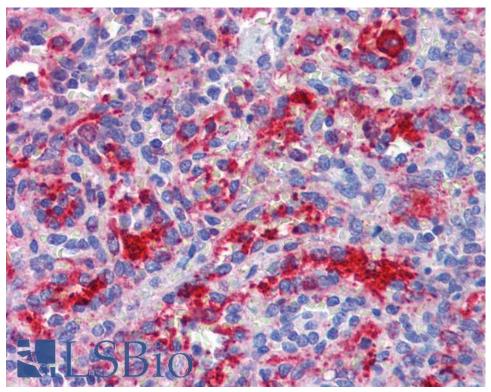


EB08003 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

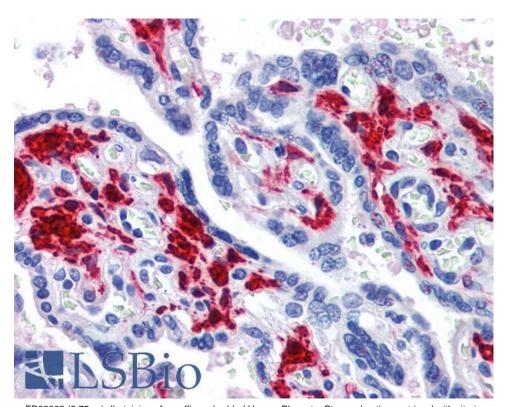


EB08003 Flow cytometric analysis of paraformaldehyde fixed U937 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control:

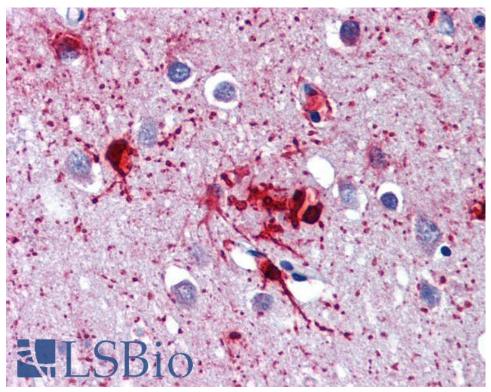
Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB08003 (3.75 $\mu$ g/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08003 (3.75μg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08003 (3.75µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.