

KU70 Polyclonal Antibody

catalog number: E-AB-61650

Note: Centrifuge before opening to ensure complete recovery of vial contents.

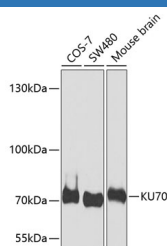
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human KU70 (NP_001460.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications Recommended Dilution

WB	1:500-1:2000
IHC	1:50-1:100
IF	1:50-1:100

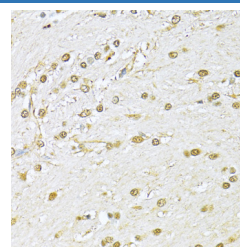
Data



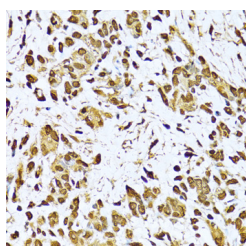
Western blot analysis of extracts of various cell lines using KU70 Polyclonal Antibody at dilution of 1:1000.

Observed-MV:70 kDa

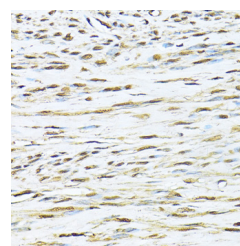
Calculated-MV:65 kDa/69 kDa



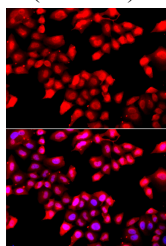
Immunohistochemistry of paraffin-embedded Rat brain using KU70 Polyclonal Antibody at dilution of 1:100 (40x lens).



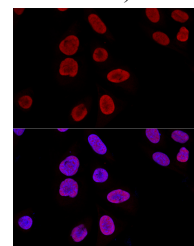
Immunohistochemistry of paraffin-embedded Human gastric cancer using KU70 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human uterus using KU70 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of A549 cells using KU70 Polyclonal Antibody



Confocal immunofluorescence analysis of U2OS cells using KU70 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

For Research Use Only

Preparation & Storage

Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus.

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