

## Oct4 antibody [GT735]

Cat. No. GTX627423

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	WB, ICC/IF, FACS, IP
Reactivity	Human

 Review ( 1 )Package  
100 µl, 25 µl

## APPLICATION

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	1:100-1:1000
FACS	1:50-1:200
IP	1:100-1:500

Not tested in other applications.

Calculated MW 39 kDa. ( [Note](#) )

## PROPERTIES

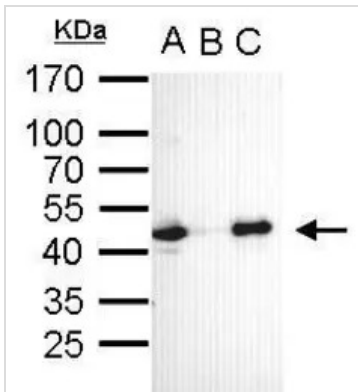
Form	Liquid
Buffer	PBS
Preservative	No preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human Oct4. The exact sequence is proprietary.
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated

## Note

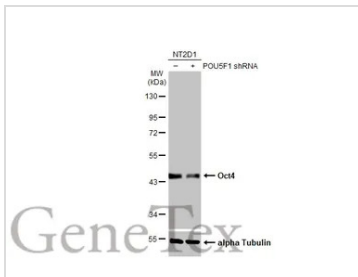
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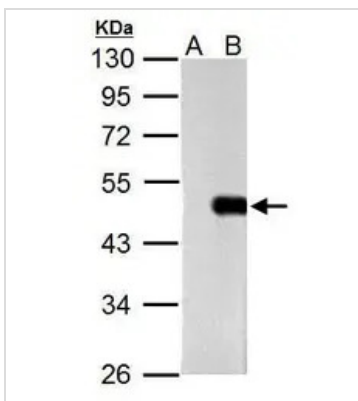
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**DATA IMAGES**

**GTX627423 IP Image**

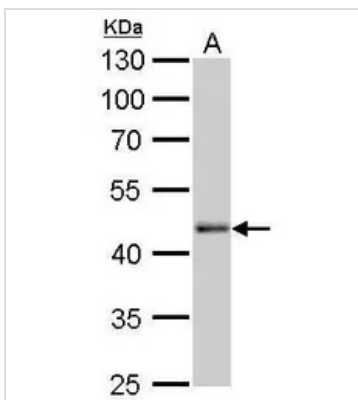
Oct4 antibody immunoprecipitates Oct4 protein in IP experiments. IP Sample: cell lysate/extract of Oct4 gene transfected 293T cells A. Cell lysate/extract of transfected 293T cell B. Control with 2 µg of preimmune mouse IgG C. Immunoprecipitation of Oct4 by 2 µg of Oct4 antibody (GTX627423) 12% SDS-PAGE The immunoprecipitated Oct4 protein was detected by Oct4 antibody (GTX627423) diluted at 1:1000. EasyBlot anti-mouse IgG (GTX221667-01) was used as a secondary reagent.


**GTX627423 WB Image**

Non-transfected (–) and transfected (+) NT2D1 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Oct4 antibody [GT735] (GTX627423) diluted at 1:2000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.


**GTX627423 WB Image**

Sample (10 ug of whole cell lysate)  
A: Non-transfected HeLa lysates  
B: OCT 3/4 transfected HeLa lysates  
10% SDS PAGE  
GTX627423 diluted at 1:5000


**GTX627423 WB Image**

Oct4 antibody [GT735] detects Oct4 protein by Western blot analysis.  
A. 30 µg human ESC whole cell lysate/extract  
10 % SDS-PAGE  
(GTX627423) dilution: 1:1000



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