# SOX2 antibody [GT1352]

## Cat. No. GTX627405

| | |
|---|---|
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a |
| **Applications** | WB, ICC/IF, IHC-P, IHC-Fr, FCM |
| **Reactivity** | Human, Mouse |

References ( 7 )

Review ( 1 )

Package
100 µl, 25 µl

## Applications

**Application Note**

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

| Suggested dilution | Recommended dilution |
|---|---|
| WB | 1:500-1:3000 |
| ICC/IF | 1:100-1:1000 |
| IHC-P | 1:100-1:1000 |
| IHC-Fr | 1:100-1:1000 |
| FCM | Assay dependent |
| **Note : Permeabilization : 0.1% saponin** | |

Not tested in other applications.

**Calculated MW** 34 kDa. ( Note )

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Buffer** | PBS, 20% Glycerol |
| **Preservative** | No preservatives |
| **Storage** | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC 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 SOX2. The exact sequence is proprietary. |
| **Purification** | Affinity purified by Protein G. |
| **Conjugation** | Unconjugated |

For full product information, images and publications, please visit our website.



GeneTex, Inc. ( North America )
1-877-436-3839 ( Toll-free ) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation ( Global )
886-3-6208988 886-3-6208989 infoasia@genetex.com

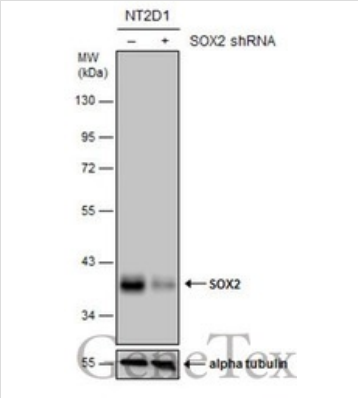
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**Note**

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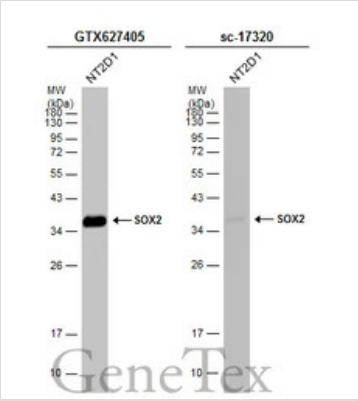
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## DATA IMAGES




**GTX627405 WB Image**

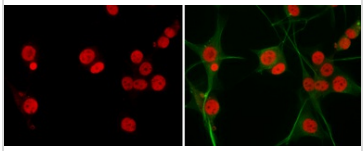
Non-transfected (–) and transfected (+) NT2D1 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with SOX2 antibody [GT1352] (GTX627405) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.




**GTX627405 WB Image**

Whole cell extract (30 µg) was separated by 12% SDS-PAGE, and the membranes were blotted with SOX2 antibody [GT1352] (GTX627405) diluted at 1:1000 and competitor's antibody (sc-17320) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.

*The competitor is not affiliated with GeneTex and does not endorse this product.



**GTX627405 ICC/IF Image**

SOX2 antibody detects SOX2 protein at nucleus by immunofluorescent analysis.
Sample: U-87 MG cells were fixed in 4% paraformaldehyde at RT for 15 min.
Red: SOX2 protein stained by SOX2 antibody (GTX627405) diluted at 1:200.
Green: beta Tubulin 3/ TUJ1 protein stained by beta Tubulin 3/ TUJ1 antibody (GTX631836) diluted at 1:200.

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