# Product Datasheet

## ROCK2 Antibody (JE31-36)
## NBP3-32914

Unit Size: 100 ul

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

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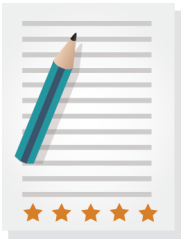


# NBP3-32914

ROCK2 Antibody (JE31-36)

| Product Information | |
|---|---|
| **Unit Size** | 100 ul |
| **Concentration** | 1 mg/ml |
| **Storage** | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| **Clonality** | Monoclonal |
| **Clone** | JE31-36 |
| **Preservative** | 0.05% Sodium Azide |
| **Isotype** | IgG |
| **Purity** | Protein A purified |
| **Buffer** | 1*TBS (pH7.4), 0.05% BSA and 40% Glycerol |
| **Target Molecular Weight** | 161 kDa |

| Product Description | |
|---|---|
| **Description** | Novus Biologicals Rabbit ROCK2 Antibody (JE31-36) (NBP3-32914) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| **Host** | Rabbit |
| **Gene ID** | 9475 |
| **Gene Symbol** | ROCK2 |
| **Species** | Human, Mouse, Rat |
| **Immunogen** | Synthetic peptide within C terminal Human ROCK2. (Uniprot: O75116) |

| Product Application Details | |
|---|---|
| **Applications** | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry |
| **Recommended Dilutions** | Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000 |

## Images

Western Blot: ROCK2 Antibody (JE31-36) [NBP3-32914] - Western blot analysis of ROCK2 on different lysates with Rabbit anti-ROCK2 antibody (NBP3-32914) at 1/1,000 dilution.

Lane 1: HepG2 cell lysate
Lane 2: MCF7 cell lysate
Lane 3: C2C12 cell lysate
Lane 4: C6 cell lysate
Lane 5: Mouse brain tissue lysate
Lane 6: Rat brain tissue lysate

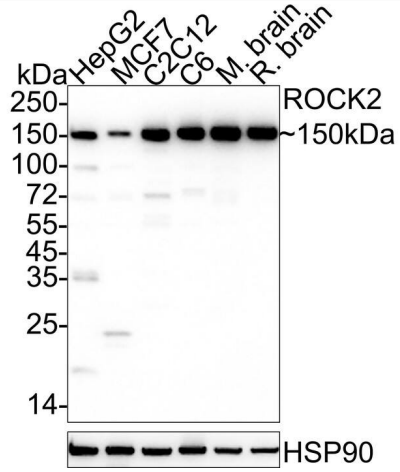
Lysates/proteins at 20 ug/Lane.

Predicted band size: 161 kDa
Observed band size: 150 kDa

Exposure time: 59 seconds; ECL;

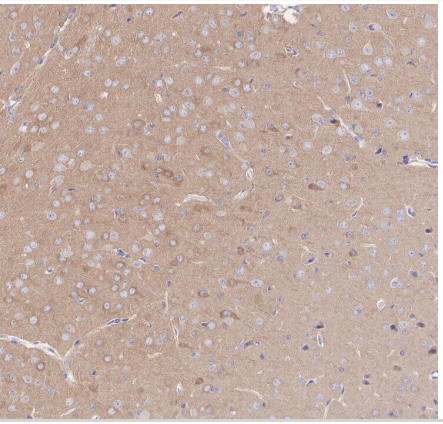
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32914) at 1/1,000 dilution was used in 5% NFDM/TBST at 4C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.




Immunohistochemistry: ROCK2 Antibody (JE31-36) [NBP3-32914] - Immunohistochemical analysis of paraffin-embedded mouse brain tissue with Rabbit anti-ROCK2 antibody (NBP3-32914) at 1/1,000 dilution.

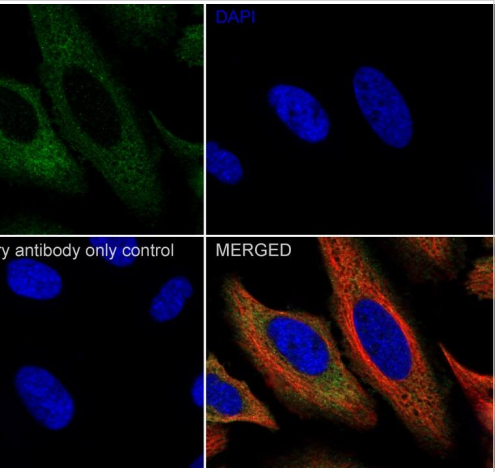
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (NBP3-32914) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunocytochemistry/ Immunofluorescence: ROCK2 Antibody (JE31-36) [NBP3-32914] - Immunocytochemistry analysis of HeLa cells labeling ROCK2 with Rabbit anti-ROCK2 antibody (NBP3-32914) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-ROCK2 antibody (NBP3-32914) at 1/100 dilution in 1% BSA in PBST overnight at 4 □. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4□. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.



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## Products Related to NBP3-32914

| | |
|---|---|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |

### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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