

Datasheet for ABIN1714069
anti-RUNX3 antibody (AA 31-130)[Go to Product page](#)

1 Validation

1 Image

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | RUNX3 |
| Binding Specificity: | AA 31-130 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RUNX3 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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|-----------------------|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human Runx3 |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Sheep,Horse,Chicken |
| Purification: | Purified by Protein A. |

Target Details

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|---------|-------|
| Target: | RUNX3 |
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Target Details

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|-------------------|--|
| Alternative Name: | Runx3 (RUNX3 Products) |
| Background: | <p>Synonyms: RUNX 3, RUNX-3, Runt-related transcription factor 3, Core-binding factor, alpha 3 subunit, CBF-alpha 3, Acute myeloid leukemia 2 protein, OncogeneAML-2, Polyomavirus enhancer-binding protein 2 alpha C subunit, PEBP2-alpha C, PEA2-alpha C, SL3-3 enhancer factor 1 alpha C subunit, SL3/AKV core-binding factor alpha C subunit, Core-binding factor, alpha 3 subunit, CBF-alpha 3, Acute myeloid leukemia 2 protein, Oncogene AML-2, Polyomavirus enhancer-binding protein 2 alpha C subunit, PEBP2-alpha C, PEA2-alpha C, SL3-3 enhancer factor 1 alpha C subunit, SL3/AKV core-binding factor alpha C subunit.</p> <p>Background: RUNX3 binds to the core site of murine Leukemia virus, the core sequences in the enhancer of the polyomavirus, and also to the enhancers of the T-cell receptor genes. May be involved in the control of cellular proliferation and/or differentiation (By similarity). Heterodimer of an alpha and a beta subunit. The alpha subunit binds DNA as a monomer and through the Runt domain.DNA-binding is increased by heterodimerization. Interacts with TLE1 and SUV39H1, Subcellular location in Nucleus.</p> |

Gene ID: 864

Application Details

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| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500 |
|--------------------|--|

Restrictions: For Research Use only

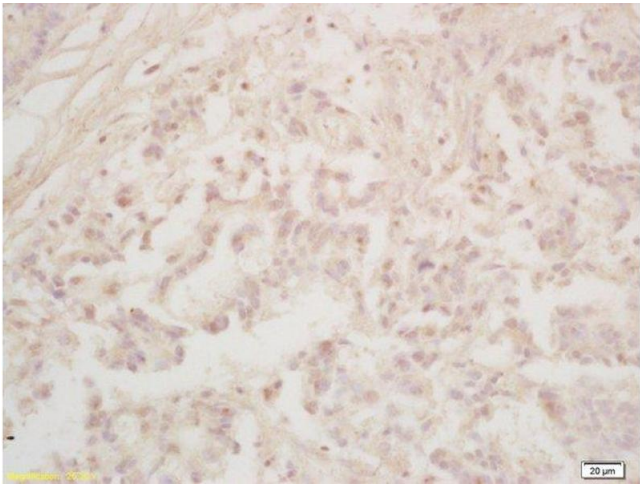
Handling

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|----------------|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |

Handling

| | |
|--------------------|--|
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

Validation report #029621 for Immunofluorescence (IF)



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Rabbit Anti Runx3 Polyclonal Antibody, Unconjugated (ABIN1714069) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Successfully validated (Immunofluorescence (IF))

by [CaresBio Laboratory](#)

Report Number: 029621

Date: Mar 08 2014

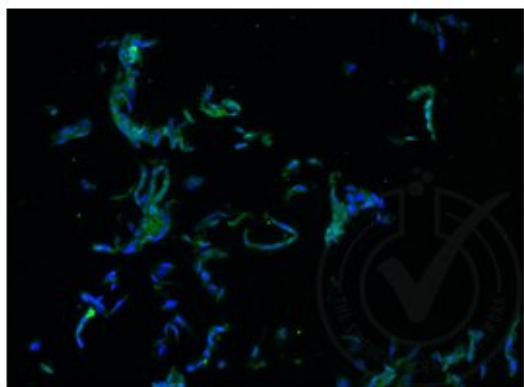
| | |
|---------------------|---|
| Lot Number: | 131016 |
| Method validated: | Immunofluorescence (IF) |
| Positive Control: | A431 cells |
| Negative Control: | HEK293 cells |
| Notes: | Strong signal was detected in the positive control, and no signal was detected in the negative control. |
| Primary Antibody: | - Antigen: Runt-Related Transcription Factor 3 (RUNX3) - Catalog number: ABIN1714069 - Supplier: Bioss - Supplier catalog number: bs-4860r - Lot number: 131016 |
| Secondary Antibody: | - Antibody: Donkey Anti-Rabbit secondary antibody IgG (H+L) AlexaFluor 488 - Supplier: Molecular Probes/Life Technologies - Catalog number: A-21206 |
| Isotype: | - Antibody: Normal rabbit serum IgG - Supplier: Santa Cruz Biotechnology - Catalog number: sc-2338 |
| Controls: | <ul style="list-style-type: none">• Positive control: A431 cells treated with anti-RUNX3 antibody• Negative Control: Hek-293 cells treated with anti-RUNX3 antibody• Isotype Control: A431 cells treated with normal rabbit serum IgG.• Secondary antibody only control: A431 cells treated with Donkey anti-Rabbit AlexaFluor 488 secondary antibody only. |
| Protocol: | <ul style="list-style-type: none">• Antibody staining:• A431 and Hek-293 cell lines were grown directly on coverslips and fixed with 4% formaldehyde in PBS for 15 min at room temperature (RT).• Fixed cells were rinsed three times in PBS for 5 min each at RT.• Cells were blocked in 1X PBS/1% BSA/0.3% Triton™ X-100 to block unspecific binding of the antibodies for 60 min at RT.• Cells were incubated with primary antibody diluted 1:100 in 1X PBS/1% BSA/0.3% Triton™ X-100 overnight at 4°C.• Cells were rinsed three times in PBS for 5 min each at RT.• Cells were incubated with donkey anti rabbit FITC conjugated secondary antibody for 60 min in dark at RT. |

- Cells were rinsed three times in PBS for 5 min each at RT.
- Coverslips were mounted on slides with ProLong® Gold Antifade Reagent with DAPI.
- Stained cells were imaged with an Olympus IX73 microscope.
- Isotype Control Staining:
- All the steps are done same as previously described until cells were blocked in 1X PBS/1% BSA/0.3% Triton™ X-100 to block unspecific binding of the antibodies for 60 min at RT. - Cells were incubated with 10% normal rabbit serum overnight at 4°C.
- Cells were rinsed three times in PBS for 5 min each at RT.
- Cells were incubated with donkey anti rabbit FITC conjugated secondary antibody for 60 min in dark at RT.
- Cells were rinsed three times in PBS for 5 min each at RT.
- Coverslips were mounted on slides with ProLong® Gold Antifade Reagent with DAPI.
- Stained cells were imaged with an Olympus IX73 microscope.
- Secondary Antibody Only Control Staining:
- All the steps are done same as previously described until cells were blocked in 1X PBS/1% BSA/0.3% Triton™ X-100 overnight at 4°C. - Cells were incubated with donkey anti rabbit Alexa488 conjugated secondary antibody for 60 min in dark at RT.
- Cells were rinsed three times in PBS for 5 min each at RT.
- Coverslips were mounted on slides with ProLong® Gold Antifade Reagent with DAPI.
- Stained cells were imaged with an Olympus IX73 microscope.

Experimental Notes:

- No discrepancies reported.
- Runx3 antibody is recommended for IF on A431 cells according to this protocol.

Images for Validation report #029621



Validation image no. 1 for anti-Runx-Related Transcription Factor 3 (RUNX3) (AA 31-130) antibody (ABIN1714069)

Figure 1: A431 cells stained with anti-RUNX3 (green) and counterstained with DAPI (blue).



Validation image no. 2 for anti-Runt-Related Transcription Factor 3 (RUNX3) (AA 31-130) antibody (ABIN1714069)

Figure 2: HEK293 cells stained with anti-RUNX3 (green) and counterstained with DAPI (blue).



Validation image no. 3 for anti-Runt-Related Transcription Factor 3 (RUNX3) (AA 31-130) antibody (ABIN1714069)

Figure 3: A431 cells stained with isotype control (green) and counterstained with DAPI (blue).



Validation image no. 4 for anti-Runt-Related Transcription Factor 3 (RUNX3) (AA 31-130) antibody (ABIN1714069)

Figure 4: A431 cells stained with secondary antibody only (green) and counterstained with DAPI (blue).