**Product datasheet**

**Anti-RUNX3 antibody - ChIP Grade ab11905**

★★★★ 1 Abreviews  10 References  2 Images

**Overview**

- **Product name**: Anti-RUNX3 antibody - ChIP Grade
- **Description**: Rabbit polyclonal to RUNX3 - ChIP Grade
- **Host species**: Rabbit
- **Tested applications**:
  - Suitable for: ChIP, WB, EMSA, ICC/IF
- **Species reactivity**: Reacts with: Human
- **Immunogen**: Recombinant full length protein (Human).
- **Positive control**: Raji nuclear extract. This antibody gave a positive result in IF in the following Formaldehyde fixed cell line: A431

**Properties**

- **Form**: Liquid
- **Storage instructions**: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
- **Storage buffer**: Preservatives: 0.01% Thimerosal (merthiolate), 0.1% Sodium azide
  - Constituents: PBS, 0.2% Gelatin
- **Purity**: Whole antiserum
- **Clonality**: Polyclonal
- **Isotype**: IgG

**Applications**

Our Abpromise guarantee covers the use of ab11905 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ChIP</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 20714105</td>
</tr>
<tr>
<td>WB</td>
<td>★★★★★</td>
<td>1/500 - 1/1000. Detects a band of approximately 44 kDa (predicted molecular weight: 44 kDa).</td>
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</tbody>
</table>
## Function
CBF binds to the core site, 5’-PYGPYGGT-3’, of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, lck, IL-3 and GM-CSF promoters.

## Sequence similarities
Contains 1 Runt domain.

## Domain
A proline/serine/threonine rich region at the C-terminus is necessary for transcriptional activation of target genes.

## Post-translational modifications
Phosphorylated on tyrosine residues by SRC. Phosphorylated by LCK and FYN.

## Cellular localization
Nucleus. Cytoplasm. The tyrosine phosphorylated form localizes to the cytoplasm.

### Images
Detection of AML2 by EMSA analysis. Nushift polyclonal antibody against AML2 factor creates a supershift in EMSA (lane 4).

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<th>Notes</th>
</tr>
</thead>
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<td>EMSA</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>1/200.</td>
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</table>
ICC/IF image of ab11905 stained A431 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab11905 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti-rabbit (ab96899) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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