**Product datasheet**

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

- **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>
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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>ChIP</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 20714105</td>
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<tr>
<td>WB</td>
<td>1/500 - 1/1000. Detects a band of approximately 44 kDa (predicted molecular weight: 44 kDa).</td>
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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, Ick, 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).
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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