**Product datasheet**

**Anti-Follistatin antibody ab64490**

- **Product name**: Anti-Follistatin antibody
- **Description**: Rabbit polyclonal to Follistatin
- **Host species**: Rabbit
- **Tested applications**: Suitable for: WB
- **Species reactivity**: Reacts with: Mouse, Rat, Human
  - Predicted to work with: Chicken, Cow, Dog, Pig, Chimpanzee, Rhesus monkey
- **Immunogen**: Synthetic peptide conjugated to KLH derived from within residues 300 to the C-terminus of Human Follistatin. Read Abcam's proprietary immunogen policy (Peptide available as ab74741.)
- **Positive control**: Purchase matching WB positive control: Recombinant Human Follistatin protein

  Recombinant human Follistatin protein (ab50163) can be used as a positive control in WB. This antibody gave a positive signal in the following Lysates: U2OS Whole Cell, Mouse Liver Tissue, Raji Whole Cell, MOLT4 Whole Cell, Mouse Colon Tissue, Rat Liver Tissue

**Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Storage instructions</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>
| **Storage buffer** | pH: 7.40  
Preservative: 0.02% Sodium azide  
Constituent: PBS |
| **Purity**        | Immunogen affinity purified                                             |
| **Clonality**     | Polyclonal                                                              |
| **Isotype**       | IgG                                                                     |
Function
Binds directly to activin and functions as an activin antagonist. Specific inhibitor of the biosynthesis and secretion of pituitary follicle stimulating hormone (FSH).

Tissue specificity
Isoform 1 is the predominant isoform in serum but is undetectable in follicular fluid.

Sequence similarities
Contains 3 follistatin-like domains.
Contains 3 Kazal-like domains.
Contains 1 TB (TGF-beta binding) domain.

Cellular localization
Secreted.

Applications
Our Abpromise guarantee covers the use of ab64490 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>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use a concentration of 1 µg/ml. Detects a band of approximately 38 kDa (predicted molecular weight: 38 kDa).</td>
</tr>
</tbody>
</table>

Target

Function
Binds directly to activin and functions as an activin antagonist. Specific inhibitor of the biosynthesis and secretion of pituitary follicle stimulating hormone (FSH).

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Images
All lanes: Anti-Follistatin antibody (ab64490) at 1 µg/ml

Lane 1: U2OS (Human osteosarcoma cell line) Whole Cell Lysate
Lane 2: Liver (Mouse) Tissue Lysate
Lane 3: Raji (Human Burkitt's lymphoma cell line) Whole Cell Lysate
Lane 4: MOLT4 (Human acute lymphoblastic leukemia cell line) Whole Cell Lysate
Lane 5: Colon (Mouse) Tissue Lysate
Lane 6: Liver (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes: Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 38 kDa
Observed band size: 38 kDa
Additional bands at: 15 kDa, 75 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 1 minute

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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