**Product name**: Anti-Interferon beta antibody ab85803

**Description**: Rabbit polyclonal to Interferon beta

**Host species**: Rabbit

**Tested applications**: Suitable for: WB, ICC/IF

**Species reactivity**: Reacts with: Human

**Predicted to work with**: Mouse, Macaque monkey

**Immunogen**: Synthetic peptide corresponding to Human Interferon beta aa 1-100 conjugated to keyhole limpet haemocyanin.

**Positive control**: Recombinant human Interferon beta protein (ab71475) can be used as a positive control in WB. This antibody gave a positive signal in HepG2 and WI38 whole cell lysates and in the following human tissue lysates: Liver; Lung; Kidney; Spleen.

**General notes**: The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

**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**: pH: 7.40
Preservative: 0.02% Sodium azide
Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

The Abpromise guarantee: Our Abpromise guarantee covers the use of ab85803 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>WB</td>
<td>⭐⭐⭐⭐⭐ (1)</td>
<td>Use a concentration of 1 µg/ml. Detects a band of approximately 30 kDa (predicted molecular weight: 22 kDa).</td>
</tr>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 1 µg/ml.</td>
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</tbody>
</table>

Target

Function: Has antiviral, antibacterial and anticancer activities.
Sequence similarities: Belongs to the alpha/beta interferon family.
Cellular localization: Secreted.

Images

All lanes: Anti-Interferon beta antibody (ab85803) at 1 µg/ml

Lane 1: HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate
Lane 2: WI-38 whole cell lysate (ab3960)
Lane 3: Human liver tissue lysate - total protein (ab29889)
Lane 4: Lung (Human) Tissue Lysate
Lane 5: Human kidney tissue lysate - total protein (ab30203)
Lane 6: Human spleen tissue lysate - total protein (ab29699)

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:** 22 kDa  
**Observed band size:** 30 kDa  
**Additional bands at:** 110 kDa, 120 kDa, 160 kDa, 37 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 20 minutes

The Interferon Beta protein sequence contains both a phosphorylation and a glycosylation site (Swissprot). Post-translation modifications could account for the migration of the band at a higher molecular weight than predicted.

![](https://c.abcam.com/nh/immunocytochemistry/immunofluorescence-anti-interferon-beta-ab85803.jpg)

ICC/IF image of ab85803 stained HepG2 cells. The cells were 4% PFA 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 (ab85803, 5µg/ml) overnight at +4°C. The secondary antibody (green) was ab96899 Dylight 488 goat anti-rabbit IgG (H+L) used at a 1/250 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.

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

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- 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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