abcam

Product datasheet

Anti-mouse IgG for IP (HRP) ab131368

3 Abreviews 145 References 1 Image

Overview

Product name	Anti-mouse IgG for IP (HRP)
Host species	Rat
Target species	Mouse
Tested applications	**Suitable for:** WB
Conjugation	HRP

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Constituents: 0.16% Sodium phosphate, 0.88% Sodium chloride, 50% Glycerol, 0.1% BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	eB144
Isotype	IgG
General notes	Number of blots: At least **20 blots,** based on a 1 µl/ml dilution and 5 ml diluted antibody per blot. **Important protocol notes:** 1. The anti-mouse IgG for IP secondary antibody (HRP) detects mouse IgG antibodies (subtypes: IgG1, IgG2a, IgG2b, IgG3). 2. The anti-mouse IgG for IP secondary antibody (HRP) preferentially detects the non-reduced form of mouse IgG (IgG1, IgG2a, IgG2b, IgG3) over the reduced, SDS-denatured forms. 3. IP sample should be completely reduced/denatured before loaded onto a western blot. 4. Milk should be used as the blocking protein for the immunoblot. **Western blot and IP resources:** a) **Western blot a beginner's guide**

b) **IP protocol**
c) **IP troubleshooting tips**

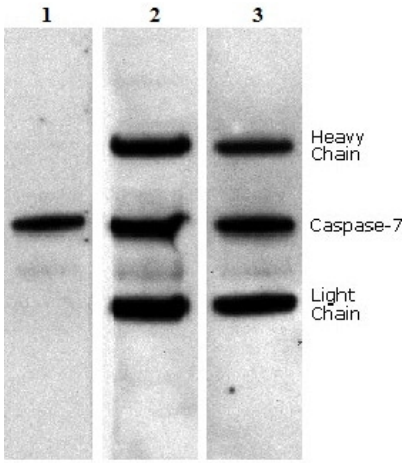
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab131368 in the following tested applications.

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

Application	Abreviews	Notes
WB	★★★★☆ **(2)**	1/1000 - 1/10000. The optimal dilution will depend on the sensitivity of the HRP substrate.

Images



Western blot - Anti-mouse IgG for IP (HRP) (ab131368)

IP sample preparation: Caspase 7 was immunoprecipitated from 0.5 ml of $1x10^7$ Jurkat (Human T cell leukemia cell line from peripheral blood) cells/ml with 5 µg mouse anti-human Caspase 7.

WB conditions: Precipitate from $1x10^6$ cells was subjected to electrophoresis, transferred to an PVDF membrane, and immunoblotted with an anti-Caspase 7 antibody.

Detection:

Lane 1: Detection with anti-mouse IgG for IP secondary antibody (HRP) (ab131368)

Lane 2: Detection with an HRP-conjugated anti-mouse IgG H&L secondary antibody

Lane 3: Lane 1 was re-immunoblotted using an HRP-conjugated anti-mouse IgG H&L secondary antibody. The heavy and light-chains can now be seen, confirming that although the immunoprecipitating heavy and light-chains are present, ab131368 detects only native antibody and not denatured heavy and light-chains.

Please note the detection of the heavy and light-chains of the immunoprecipitating antibody in Lane 2 but not in Lane 1.

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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors