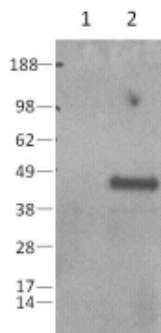


Anti-Mouse Caspase 1 Purified

Catalog Number: 14-9832

Also Known As: Caspase1


RUO: For Research Use Only



Lysates prepared from the Jurkat (lane 1) and J774 (lane 2) cell lines under reducing conditions with DTT were resolved by SDS-PAGE then immunoblotted with 2 µg/ml of Anti-Mouse Caspase 1 Purified. Bands were visualized using Anti-Rat IgG HRP.

Product Information

Contents: Anti-Mouse Caspase 1 Purified

 Catalog Number: 14-9832

Clone: 5B10

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG2a

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial

Description

The monoclonal antibody 5B10 recognizes mouse Caspase-1, a member of the cysteine-requiring aspartate protease family, which plays a critical role in cell suicide known as apoptosis. In particular, it converts pro-IL-1β to mature IL-1β; hence it is also called ICE (interleukin-1β converting enzyme). Upon activation Caspase-1 exists as a tetramer of two p20 and two p10 subunits. There are several isoforms of Caspase-1.

The 5B10 antibody recognizes both the pro-form of about 42kDa and the active p20 form.

Applications Reported

This 5B10 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This 5B10 antibody has been tested by western blot analysis of lysates prepared from the J774 cell line. This can be used at 1-5 µg/ml. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Li J, Yin HL, Yuan J. Flightless-I regulates proinflammatory caspases by selectively modulating intracellular localization and caspase activity. *J Cell Biol.* 2008 Apr 21;181(2):321-33. (5B10, WB, PubMed)

Wang S, Miura M, Jung Y, Zhu H, Gagliardini V, Shi L, Greenberg AH, Yuan J. Identification and characterization of Ich-3, a member of the interleukin-1beta converting enzyme (ICE)/Ced-3 family and an upstream regulator of ICE. *J Biol Chem.* 1996 Aug 23;271(34):20580-7. (5B10, WB, PubMed)

Related Products

14-4321 Rat IgG2a K Isotype Control Purified

Not for further distribution without written consent.

Copyright © 2000-2010 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com