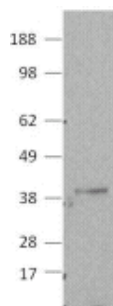


Anti-Human Caspase 7 Purified

Catalog Number: 14-9933

Also Known As: Caspase7

RUO: For Research Use Only



Jurkat cell lysates reduced with DTT were resolved by SDS-PAGE then immunoblotted with 2 µg/ml of Anti-Human Caspase 7 Purified. Bands were visualized using Anti-Rat IgG HRP.

Product Information

Contents: Anti-Human Caspase 7 Purified


REF Catalog Number: 14-9933

Clone: 20F3

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.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The monoclonal antibody 20F3 recognizes human caspase-7, also known as mch3 and ICE-LAP3. It is a member of the cysteine-requiring aspartate protease family, which plays critical roles in cell suicide known as apoptosis. Along with caspases 3 and 7, this member is categorized as an effector or executioner caspase. It must first be activated via cleavage by caspase 3, 6, or 8 or by granzyme B. As an effector molecule, caspase-7 is responsible for the demolition phase of apoptosis in that it cleaves PARP and other molecules also cleaved by caspase-3.

This monoclonal antibody can be used to identify both the full-length (p35) and active form (p20) of caspase-7 under reducing conditions by SDS-PAGE.

Applications Reported

This 20F3 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This 20F3 antibody has been tested by immunoblot analysis of reduced Jurkat cell lysates. 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.

The presence of a nonspecific band at approximately 58 kDa may be present in some lysates.

References

Denault JB, Békés M, Scott FL, Sexton KM, Bogyo M, Salvesen GS. Engineered hybrid dimers: tracking the activation pathway of caspase-7. *Mol Cell*. 2006 Aug;23(4):523-33.

Kuribayashi K, Mayes PA, El-Deiry WS. What are caspases 3 and 7 doing upstream of the mitochondria? *Cancer Biol Ther*. 2006 Jul;5(7):763-5. Review.

Kang SJ, Wang S, Kuida K, Yuan J. Distinct downstream pathways of caspase-11 in regulating apoptosis and cytokine maturation during septic shock response. *Cell Death Differ*. 2002 Oct;9(10):1115-25. (20F3, WB, PubMed)

Related Products

14-4321 Rat IgG2a K Isotype Control Purified

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