upstate | CHEMICON | Linco
THE EXPERTISE OF UPSTATE®, CHEMICON® AND LINCO® IS NOW A PART OF MILLIPORE

MOUSE ANTI-CALPAIN-I (μ-Calpain) MONOCLONAL ANTIBODY

CATALOG NUMBER: MAB3104

LOT NUMBER:

QUANTITY: 100 μL

SPECIFICITY: Reacts with human calpain-I (μ-Calpain). P9 does not cross with human placental m-calpain (calpain II). This antibody will immunoprecipitate proteolytically active calpains.

IMMUNOGEN: Calpain-I large subunit from human erythrocyte.

ISOTYPE: IgG_1

APPLICATIONS: Immunoblot: 1:1,000. Detects an 80kDa large subunit μ-calpain, and will also detect the subunit in the non-activated proform of the zymogen, showing a band of ~110kDa. WI-38 human fibroblasts, or human erthryocytes are suggested as positive controls.
Immunocytochemistry: 1:100 on A431 epidermal carcinoma.
Immunoprecipitation: Calcium is required for large and small subunit association.
ELISA: 1:6,000 (against the immunogen)
Optimal working dilutions must be determined by the end user.

SPECIES REACTIVITIES: Human, rat, mouse and hamster. Other species not yet tested.

FORMAT: Ascites

PRESENTATION: Liquid

STORAGE/HANDLING: Maintain at -20°C in undiluted aliquots for up to 12 months. Avoid repeated freeze/thaw cycles.

RELATED REFERENCES:
J. Biological Chemistry (1996) **271**:18825-18830.
Biochemical Biophysical Res. Comm. (1996) **227**:890-896.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

28820 Single Oak Drive • Temecula, CA 92590
Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502
www.millipore.com