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Datasheet for ABIN306692
anti-CAPN1 antibody

Overview

Quantity:	100 µg
Target:	CAPN1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CAPN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Hybridoma produced by the fusion of splenocytes from mice immunized with human calpain with mouse myeloma.
Clone:	28F3
Isotype:	IgG1
Cross-Reactivity:	Cow, Human
Characteristics:	Mouse anti calpain I, II small subunit, p30, The calpains are calcium-dependent cysteine proteases that are widely expressed in mammalian systems. Both m-calpain (calpain II) and μ -calpain (calpain I) are composed of an 80 kD subunit and a 30 kD subunit. Whereas the 30 kDa subunit is shared by both enzymes, the larger catalytic subunits are different and exhibit the distinct Ca ++ requirements that are suggested by their names. Whereas m-calpain requires millimolar (mM) levels of calcium, μ -calpain is active at micromolar (μ M) concentrations of Ca ++. In addition to the ubiquitously expressed m- and μ calpains, some tissue-specific calpains

Product Details

have been identified. The calpains appear to serve multiple physiological roles, and ideas concerning the functions of these enzymes are in a state of rapid flux.

Purification: Protein A/G Chromatography

Target Details

Target: CAPN1

Alternative Name: Calpain I ([CAPN1 Products](#))

UniProt: [P17655](#)

Application Details

Application Notes: Use at 0.5-1 µg/mL for ELISA and western blot, 1-2 µg/mL for immunoprecipitation.

Restrictions: For Research Use only

Handling

Buffer: Provided as a concentration of 1 mg/mL in 0.02M sodium phosphate, pH 7.5, 0.15M sodium chloride, 50 % glycerol, 3 mM sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles