Datasheet for ABIN306691

anti-CAPN1 antibody (Agarose Beads)

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Overview

Quantity:	1 mL
Target:	CAPN1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CAPN1 antibody is conjugated to Agarose Beads
Application:	Immunoprecipitation (IP)

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:	Human
Characteristics:	Mouse anti calpain I, II small subunit, p30, agarose conjugate,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 (µM) concentrations of Ca ++. In addition to the ubiquitously expressed m- and µ

Product Details

	calpains, some tissue-specific calpains 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:	Application: Use at 0.5-1 µg/mL for ELISA and western blot, 1-2 µg/mL for immunoprecipitation.
Restrictions:	For Research Use only

Handling

Format:	Liquid
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