

Datasheet for ABIN184616
anti-CAPZB antibody (C-Term)

3 Images

1 Publication

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Overview

Quantity:	100 µg
Target:	CAPZB
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Pig
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This CAPZB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	CAPZB
Immunogen:	Peptide with sequence NDLVEALKRKQQC, from the C Terminus of the protein sequence according to NP_004921.1.
Sequence:	NDLVEALKRK QQC
Isotype:	IgG
Specificity:	This antibody is expected to be specific for the beta2 isoform of capping protein, found in non-muscle cells and should not recognise the beta1 form.
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target:	CAPZB
Alternative Name:	CAPZB (CAPZB Products)
Background:	CAPZB, capping protein (actin filament) muscle Z-line, beta, CAPB, CAPZ, CAPPB, Cap Z, RP4-657E11.7, MGC104401, MGC129749, MGC129750, Cap Z, F-actin capping protein beta subunit
Gene ID:	832, 12345
NCBI Accession:	NP_004921
Pathways:	Regulation of Actin Filament Polymerization

Application Details

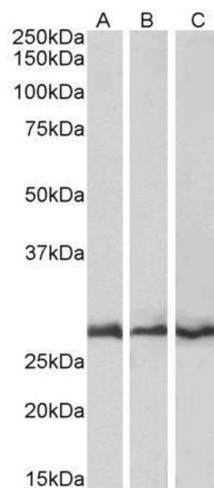
Application Notes:	Western Blot: Approx 30 kDa band observed in lysates of cell lines Jurkat, HeLa and NIH-3T3 and approx 28 kDa band observed in Mouse, Rat and Pig Heart lysates (calculated MW of 30.6 kDa according to Human NP_004921.1 and 31.3 kDa according to Mouse NP_00103 Peptide ELISA: antibody detection limit dilution 1:32000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

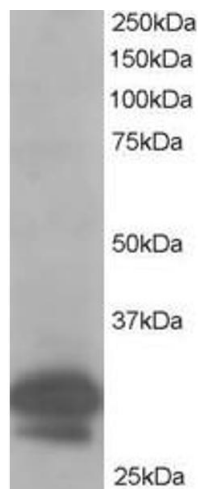
Product cited in: Wang, Chen, Wu, Tsai, Shyue, Yang, Tzeng: "Reduction in antioxidant enzyme expression and sustained inflammation enhance tissue damage in the subacute phase of spinal cord contusive injury." in: **Journal of biomedical science**, Vol. 18, pp. 13, (2011) ([PubMed](#)).

Images



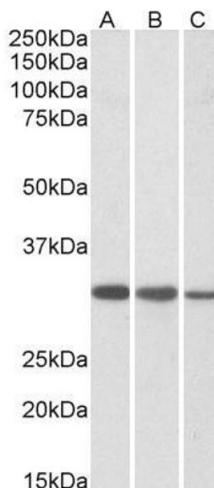
Western Blotting

Image 1. ABIN184616 (0.1µg/ml) staining of Mouse (A), Rat (B) and Pig (C) Heart lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.



Western Blotting

Image 2. ABIN184616 staining (1µg/ml) of HeLa lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Western Blotting

Image 3. ABIN184616 (0.01µg/ml) staining of Jurkat (A), HeLa (B) and NIH-3T3 (C) lysates (35µg protein in RIPA buffer). Detected by chemiluminescence