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GOAT ANTI-CAPZB ANTIBODY

SKU: EB05143

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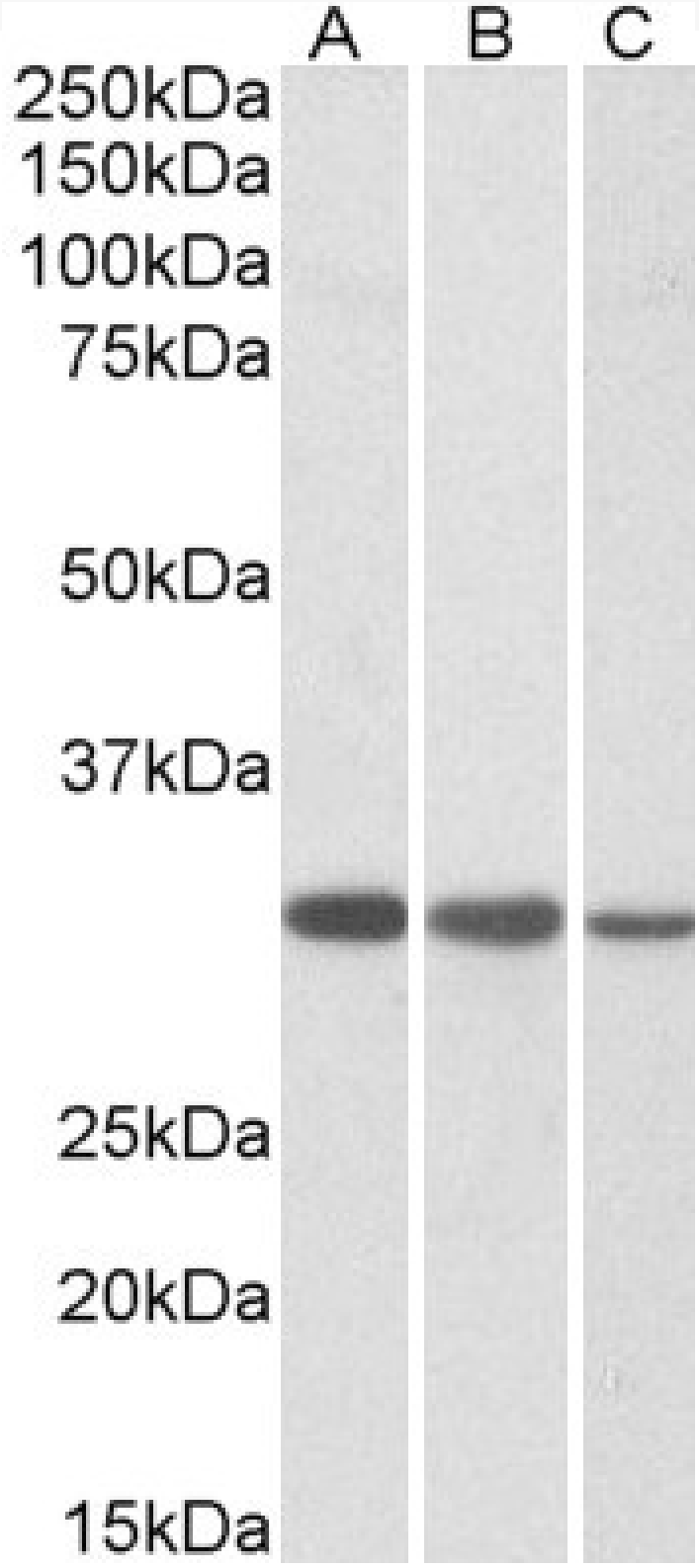

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SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	F-actin capping protein beta subunit|Cap Z|MGC129750|MGC129749|MGC104401|RP4-657E11.7|Cap Z|CAPPB|CAPZ|CAPB|capping protein (actin filament) muscle Z-line, beta|CAPZB
Accession ID	NP_004921.1
Blocking Peptide	EBP05143
Immunogen	Peptide with sequence NDLVEALKRKQQC, from the C Terminus of the protein sequence according to NP_004921.1.
Product Comments	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.
Peptide Sequence	NDLVEALKRKQQC
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog, Pig, Cow
Reactive Species	Human, Mouse, Rat, Pig
Human Gene ID	832
Mouse Gene ID	12345
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	Approx 30kDa band observed in lysates of cell lines Jurkat, HeLa and NIH-3T3 and approx 28kDa band observed in Mouse, Rat and Pig Heart lysates (calculated MW of 30.6kDa according to Human NP_004921.1 and 31.3kDa according to Mouse NP_001032850.1, and 30.6kDa according to Rat NP_001005903.1 and Pig NP_001106915.1]. Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour. This product has been successfully used in WB on Rat: Wang CY et al, J Biomed Sci. 2011 Feb 7;18:13. PMID: 21299884.
Application Type	Pep-ELISA, WB

SELECTED REFERENCES

[{"pmid": 21299884, "intro": "**This antibody has been successfully used in Western blot**

on Rat:", "title": "Reduction in antioxidant enzyme expression and sustained inflammation enhance tissue damage in the subacute phase of spinal cord contusive injury.", "author": "Wang CY, Chen JK, Wu YT, Tsai MJ, Shyue SK, Yang CS, Tzeng SF.", "journal": "J Biomed Sci. 2011 Feb 7;18:13."}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES