



# Anti-CAPZB (aa 192-272) polyclonal antibody (DPAB-DC3403)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes the beta subunit of the barbed-end actin binding protein, which belongs to the F-actin capping protein family. The capping protein is a heterodimeric actin capping protein that blocks actin filament assembly and disassembly at the fast growing (barbed) filament ends and functions in regulating actin filament dynamics as well as in stabilizing actin filament lengths in muscle and nonmuscle cells. A pseudogene of this gene is located on the long arm of chromosome 2. Multiple alternatively spliced transcript variants encoding different isoforms have been found.[provided by RefSeq, Aug 2013]
<b>Immunogen</b>	CAPZB (NP_004921, 192 a.a. ~ 272 a.a) partial recombinant protein with GST tag. The sequence is SLTRQMEKDETVDSCSPHIANIGRLVEDMENKIRSTLNEIYFGKTKDIVNGLRSVQTFAD KSKQEALKNDLVEALKRKQQC
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CAPZB capping protein (actin filament) muscle Z-line, beta [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CAPZB
<b>Synonyms</b>	CAPZB; capping protein (actin filament) muscle Z-line, beta; CAPB; CAPZ; CAPPB; F-actin-capping protein subunit beta; capZ beta;
<b>Entrez Gene ID</b>	<a href="#">832</a>
<b>Protein Refseq</b>	<a href="#">NP_001193469</a>
<b>UniProt ID</b>	<a href="#">P47756</a>
<b>Chromosome Location</b>	1p36.1
<b>Pathway</b>	Factors involved in megakaryocyte development and platelet production;
<b>Function</b>	actin binding; actin filament binding; beta-tubulin binding;