



# 14-3-3 $\beta$ rabbit pAb

Cat No.:ES1540

For research use only

## Overview

<b>Product Name</b>	14-3-3 $\beta$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human 14-3-3 beta. AA range:41-90
<b>Specificity</b>	14-3-3 $\beta$ Polyclonal Antibody detects endogenous levels of 14-3-3 $\beta$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	14-3-3 protein beta/alpha
<b>Gene Name</b>	YWHAB
<b>Cellular localization</b>	Cytoplasm . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV.; Vacuole membrane . (Microbial infection) Upon infection with Chlamydia trachomatis, this protein is associated with the pathogen-containing vacuole membrane where it colocalizes with IncG. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	28kD
<b>Human Gene ID</b>	7529
<b>Human Swiss-Prot Number</b>	P31946



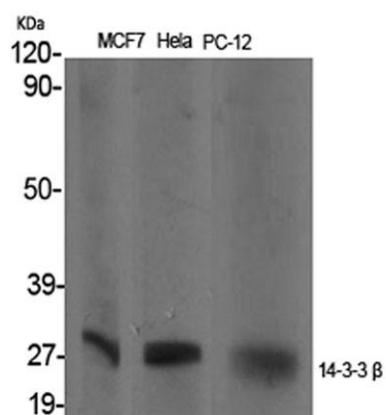


### Alternative Names

YWHAB; 14-3-3 protein beta/alpha; Protein 1054; Protein kinase C inhibitor protein 1; KCIP-1

### Background

This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using 14-3-3  $\beta$  Polyclonal Antibody

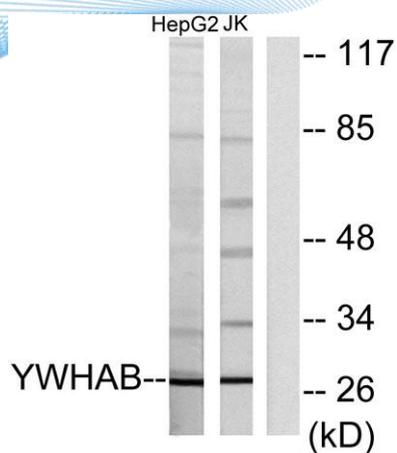


Western Blot analysis of Jurkat cells using 14-3-3  $\beta$  Polyclonal Antibody

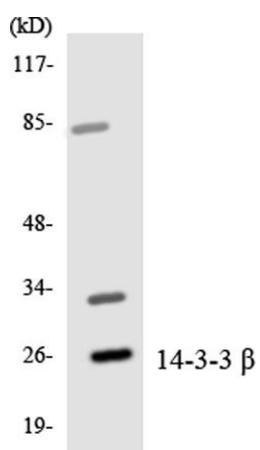




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Western blot analysis of lysates from HepG2 and Jurkat cells, using 14-3-3 beta Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using 14-3-3  $\beta$  antibody.



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