

Rabbit 14-3-3 protein beta/alpha Polyclonal Antibody | anti-YWHAB antibody

Rabbit anti-human 14-3-3 protein beta/alpha polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA26922	Rabbit	Human, mouse, rat	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

14-3-3 protein beta/alpha; Polyclonal Antibody; Rabbit anti-human 14-3-3 protein beta/alpha polyclonal Antibody; 14-3-3 protein beta/alpha protein; Protein 1054; Protein kinase C inhibitor protein 1; KCIP-1; N-terminally processed; anti-YWHAB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	246
Applicable Applications for anti-YWHAB antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Recommended dilution: WB:1:500-2000, IHC:1:20-1:200
Immunogen	Recombinant human 14-3-3 protein beta/alpha protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-17288 / sc-13959 / sc-629 / sc-628
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA26922 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

IHC image of AAA26922 diluted at 1:600 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



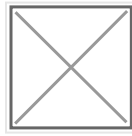
IHC (Immunohistochemistry)

IHC image of AAA26922 diluted at 1:600 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



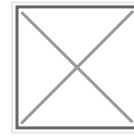
WB (Western Blot)

Western BlotPositive WB detected in: Jurkat whole cell lysate, HepG2 whole cell lysateAll lanes: YWHAB antibody at 4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 29,28 KDaObserved band size: 29 KDa



WB (Western Blot)

Western blotAll lanes: YWHAB antibody at 6ug/mlLane 1: Hela whole cell lysateLane 2: Raji whole cell lysateLane 3: Mouse liver tissueLane 4: Mouse brain tissueLane 5: Rat liver tissueLane 6: Rat lung tissueLane 7: Mouse lung tissueLane 8: Zebrafish lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 29,28 kDaObserved band size: 28,39,64 kDa



WB (Western Blot)

All lanes: 14-3-3 protein beta/alpha antibody at 2ug/mlLane 1: 293T whole cell lysateLane 2: EC109 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/15000 dilutionPredicted band size: 29,28 kDaObserved band size: 27 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-YWHAB antibody

Members of the 14-3-3 family of proteins are highly conserved proteins, localized in neurons, and are axonally transported to the nerve terminals. They are also present, at lower levels, in various other eukaryotic tissues. 14-3-3 proteins appear to play important roles in a variety of signal transduction pathways, including those involved in cell cycle regulation and cell survival. Because 14-3-3 proteins bind to specific phosphoserine-containing sequences they are likely to have an important role in signaling pathways mediated by serine/threonine protein kinases. Evidence indicates 14-3-3 is required for Raf 1 kinase activity and phosphorylation among many other functions.

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.

Product Categories/Family for anti-YWHAB antibody

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507949
NCBI GeneID	7529
NCBI Accession #	NP_003395.1
NCBI GenBank Nucleotide #	NM_003404.4
UniProt Accession #	P31946 ; A8K9K2 ; E1P616
Molecular Weight	27,850 Da
NCBI Official Full Name	14-3-3 protein beta/alpha
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein beta
NCBI Official Symbol	YWHAB
NCBI Official Synonym Symbols	HS1; GW128; YWHAA; KCIP-1; HEL-S-1
NCBI Protein Information	14-3-3 protein beta/alpha

UniProt Protein Name	14-3-3 protein beta/alpha
UniProt Gene Name	YWHAB
UniProt Synonym Gene Names	KCIP-1
UniProt Entry Name	1433B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/14-3-3-protein-beta-alpha-antibody-western-blot-immunohistochemistry-elisa/26922>