

Rabbit YWHAB Polyclonal Antibody | anti-YWHAB antibody

YWHAB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA166572	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

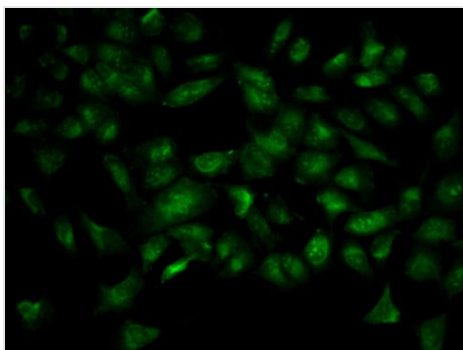
PRODUCT SYNONYMS

YWHAB; Polyclonal Antibody; YWHAB Antibody; GW128; HS1; KCIP-1; 14-3-3; ; anti-YWHAB antibody

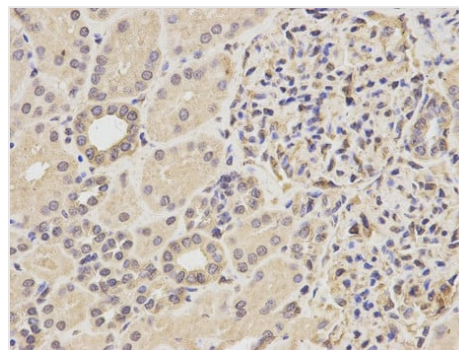
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	63
Applicable Applications for anti-YWHAB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human YWHAB
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-17288 / sc-13959 / sc-629 / sc-628
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

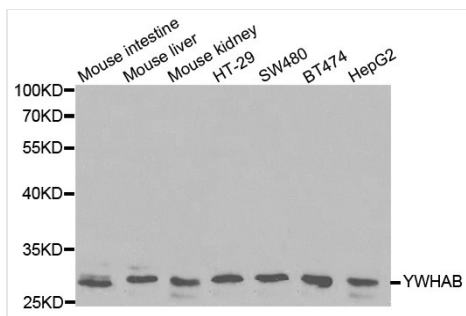
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using YWHAB antibody.


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using YWHAB antibody at dilution of 1:200 (400x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using YWHAB antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-YWHAB antibody

The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways (1, 2). 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, beta, gamma, epsilon, sigma, zeta, tau, and eta that have been identified in mammals. The initially described alpha and delta isoforms are confirmed to be phosphorylated forms of beta and zeta, respectively (3). Through their amino-terminal alpha helical region, 14-3-3 proteins form homo- or heterodimers that interact with a wide variety of proteins: transcription factors, metabolic enzymes, cytoskeletal proteins, kinases, phosphatases, and other signaling molecules (3, 4). The interaction of 14-3-3 proteins with their targets is primarily through a phospho-Ser/Thr motif. However, binding to divergent phospho-Ser/Thr motifs, as well as phosphorylation-independent interactions, has been observed (4). 14-3-3 binding masks specific sequences of the target protein and therefore modulates target protein localization, phosphorylation state, stability, and molecular interactions (1-4). 14-3-3 proteins may also induce target protein conformational changes that modify target protein function (4, 5). Distinct temporal and spatial expression patterns of 14-3-3 isoforms have been observed in development and in acute response to extracellular signals and drugs, suggesting that 14-3-3 isoforms may perform different functions despite their sequence similarities (4). Several studies suggest that 14-3-3 isoforms are differentially regulated in cancer and neurological syndromes (2, 3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	649137516
NCBI Official Full Name	YWHAB, partial

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/ywhab-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/166572>