



Datasheet for ABIN6150351
anti-14-3-3 zeta antibody (AA 1-100)



[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	14-3-3 zeta (YWHAZ)
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 14-3-3 zeta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human YWHAZ (NP_001129171.1).
Sequence:	MDKNELVQKA KLAEQAERYD DMAACMKSVT EQGAELSNEE RNLLSVAYKN VVGARRSSWR VVSSIEQKTE GAEKKQQMAR EYREKIETEL RDICNDVLSL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	14-3-3 zeta (YWHAZ)
---------	---------------------

Target Details

Alternative Name: [YWHAZ \(YWHAZ Products\)](#)

Background: This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99 % identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene.,YWHAZ,14-3-3-zeta,HEL-S-3,HEL-S-93,HEL4,KCIP-1,YWHAD,Epigenetics & Nuclear Signaling,RNA Binding,Signal Transduction,PI3K-Akt Signaling Pathway,MAPK-Erk Signaling Pathway,MAPK-JNK Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Cell Cycle,G2/M DNA Damage Checkpoint,Cytoskeleton,Actins,Hippo Signaling Pathway,Immunology & Inflammation,Neuroscience,Cell Type Marker,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,Neurodegenerative Diseases Markers,YWHAZ

Molecular Weight: 19 kDa/27 kDa

Gene ID: 7534

UniProt: [P63104](#)

Pathways: [Apoptosis](#), [Hormone Transport](#), [Myometrial Relaxation and Contraction](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Synaptic Membrane](#), [Production of Molecular Mediator of Immune Response](#), [Maintenance of Protein Location](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

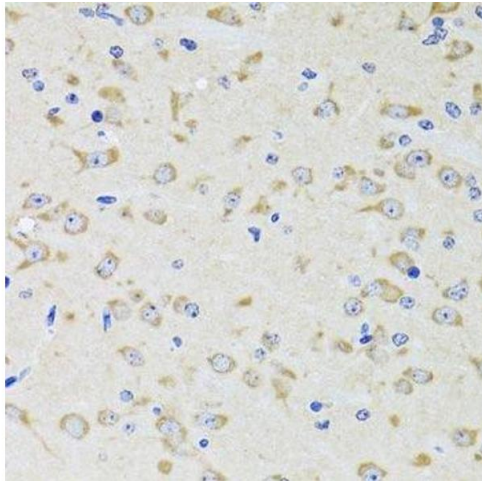
Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

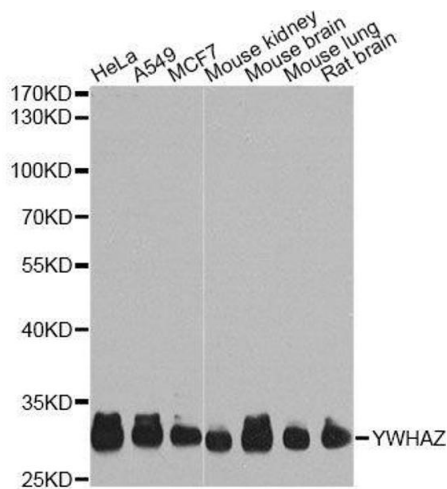
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



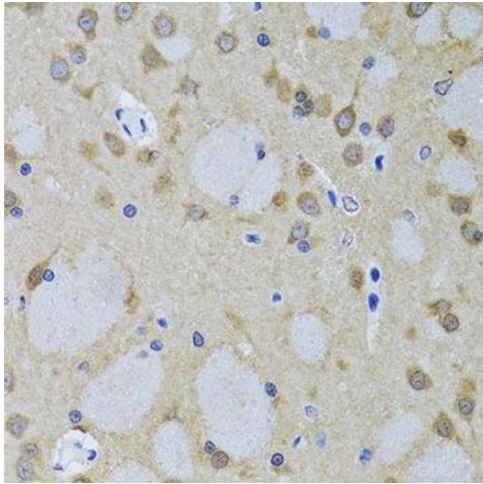
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded rat brain using YWHAZ antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using YWHAZ Antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded mouse brain using YWHAZ antibody.