

# YWHAZ Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AW5068

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P63104</a>
<b>Other Accession</b>	<a href="#">P63102</a> , <a href="#">P63101</a> , <a href="#">P63103</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted</b>	Bovine
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Calculated MW</b>	27745
<b>Isotype</b>	IgG2b, $\kappa$
<b>Antigen Source</b>	HUMAN

## Additional Information

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<b>Gene ID</b>	7534
<b>Antigen Region</b>	1-261
<b>Other Names</b>	14-3-3 protein zeta/delta, Protein kinase C inhibitor protein 1, KCIP-1, YWHAZ
<b>Dilution</b>	WB~~1:1000
<b>Target/Specificity</b>	This YWHAZ antibody is generated from a mouse immunized with a recombinant protein from human YWHAZ.
<b>Format</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	YWHAZ Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	YWHAZ
<b>Function</b>	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways (PubMed: <a href="#">14578935</a> , PubMed: <a href="#">15071501</a> , PubMed: <a href="#">15644438</a> , PubMed: <a href="#">16376338</a> ,

PubMed:[16959763](#), PubMed:[31024343](#), PubMed:[9360956](#)). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed:[35662396](#)). Binding generally results in the modulation of the activity of the binding partner (PubMed:[35662396](#)). Promotes cytosolic retention and inactivation of TFEB transcription factor by binding to phosphorylated TFEB (PubMed:[35662396](#)). Induces ARHGEF7 activity on RAC1 as well as lamellipodia and membrane ruffle formation (PubMed:[16959763](#)). In neurons, regulates spine maturation through the modulation of ARHGEF7 activity (By similarity).

#### Cellular Location

Cytoplasm. Melanosome. Note=Located to stage I to stage IV melanosomes.

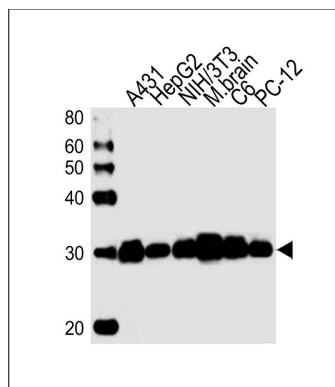
## Background

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.

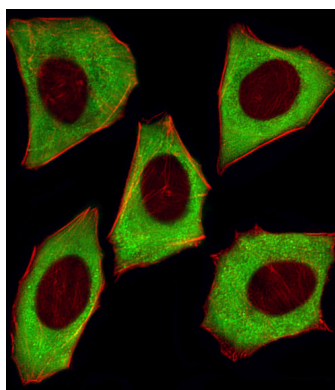
## References

Zupan L.A.,et al.J. Biol. Chem. 267:8707-8710(1992).  
 Seluja G.A.,et al.Biochim. Biophys. Acta 1395:281-287(1998).  
 Ota T.,et al.Nat. Genet. 36:40-45(2004).  
 Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DBJ databases.  
 Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).

## Images



Western blot analysis of lysates from A431,HepG2,mouse NIH/3T3 cell line,mouse brain tissue,rat C6,PC-12 cell line (from left to right), using YWHAZ Antibody(Cat. #AW5068). AW5068 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.Lysates at 20ug per lane.



Fluorescent image of U251 cells stained with YWHAZ Antibody (Cat#AW5068). AW5068 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).