

# YWHAZ Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AM2256a

## Product Information

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Application	WB, E
Primary Accession	<a href="#">P63104</a>
Reactivity	Human, Rat, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b, $\kappa$
Clone Names	1314CT423.108.153.173.140
Calculated MW	27745

## Additional Information

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Gene ID	7534
Other Names	14-3-3 protein zeta/delta, Protein kinase C inhibitor protein 1, KCIP-1, YWHAZ
Target/Specificity	This YWHAZ antibody is generated from a mouse immunized with a recombinant protein from human YWHAZ.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	YWHAZ Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	YWHAZ
Function	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: <a href="#">16959763</a> , PubMed: <a href="#">31024343</a> , PubMed: <a href="#">9360956</a> ). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed: <a href="#">35662396</a> ). Binding generally results in the modulation of the activity of the binding partner (PubMed: <a href="#">35662396</a> ).

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.

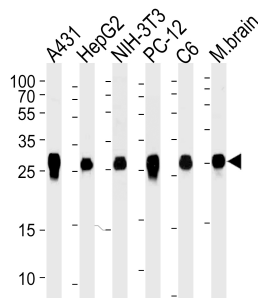
## Background

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/DDBJ databases.  
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).

## Images



Western blot analysis of lysates from A431, HepG2, mouse NIH/3T3, rat PC-12 and C6 cell line, mouse brain tissue (from left to right), using YWHAZ Antibody (Cat. #AM2256a). AM2256a was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35µg per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.