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YWHAZ Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM2256a

Product Information

Application	WB, E
Primary Accession	P63104
Reactivity	Human, Rat, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b,κ
Clone Names	1314CT423.108.153.173.140
Calculated MW	27745

Additional Information

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

Name	YWHAZ
Function	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways (PubMed:14578935, PubMed:15071501, PubMed:15644438, PubMed:16376338, 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

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Seluja G.A.,et al.Biochim. Biophys. Acta 1395:281-287(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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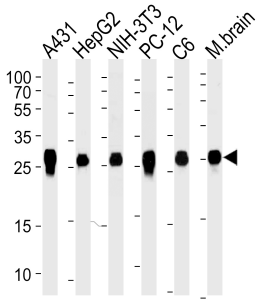
Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).

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.