10320 Camino Santa Fe, Suite G
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YWHAZ Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AW5068

Specification

YWHAZ Antibody - Product Information

Application	**IF, WB,E**
Primary Accession	P63104
Other Accession	P63102, P63101, P63103, P29361
Reactivity	**Human, Mouse, Rat**
Predicted	**Bovine, Sheep**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**H=28;M=28;Rat=28 KDa**
Isotype	**IgG2b,κ**
Antigen Source	**HUMAN**

YWHAZ Antibody - Additional Information

Gene ID 7534

Antigen Region
1-261

Other Names
14-3-3 protein zeta/delta, Protein kinase C inhibitor protein 1, KCIP-1, YWHAZ

Dilution
IF~~0.059027777777778
WB~~1:1000

Target/Specificity
This YWHAZ antibody is generated from a mouse immunized with a recombinant protein from human YWHAZ.

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.

YWHAZ Antibody - 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.

YWHAZ Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

YWHAZ Antibody - Images

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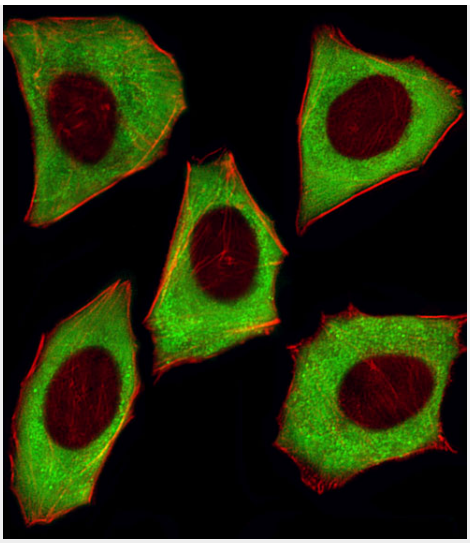
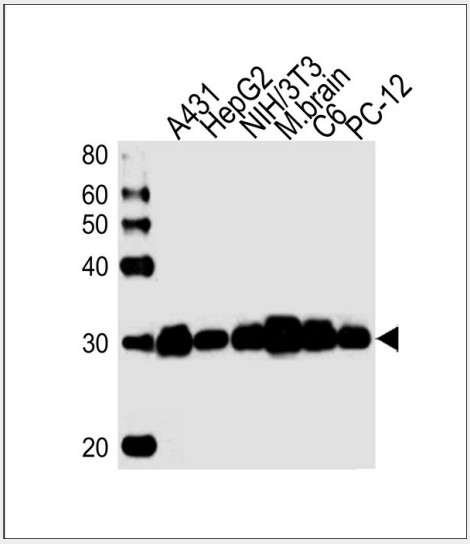


Fluorescent image of U251 cells stained with YWHAZ Antibody (Cat#AW5068). AW5068 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin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



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.

YWHAZ Antibody - 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.

YWHAZ Antibody - References

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Seluja G.A.,et al.Biochim. Biophys. Acta 1395:281-287(1998).
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Gevaert K.,et al.Nat. Biotechnol. 21:566-569(2003).