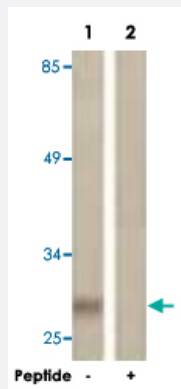


# YWHAZ polyclonal antibody

Catalog # PAB18263      Size 100 ug

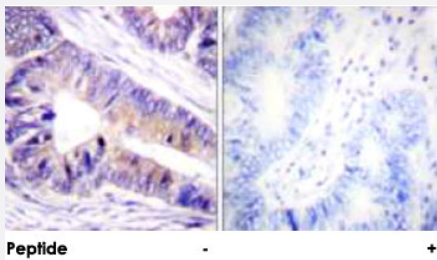
## Applications



### Western Blot (Cell lysate)

Western blot analysis of extracts from K-562 cells, using YWHAZ polyclonal antibody (Cat # PAB18263).

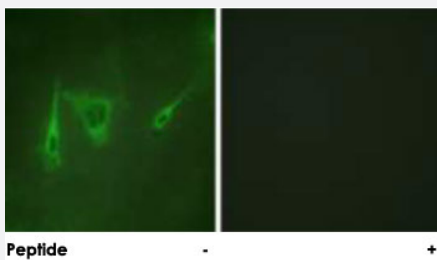
Peptide "+" means "peptide blocking".



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using YWHAZ polyclonal antibody (Cat # PAB18263).

Peptide "+" means "peptide blocking".



### Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using YWHAZ polyclonal antibody (Cat # PAB18263).

Peptide "+" means "peptide blocking".

## Specification

### Product Description

Rabbit polyclonal antibody raised against synthetic peptide of YWHAZ.

<b>Immunogen</b>	A synthetic peptide corresponding to residues surrounding T232 of human YWHAZ.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Specificity</b>	This antibody is specific to YWHAZ.
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Concentration</b>	1 mg/mL
<b>Recommend Usage</b>	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from K-562 cells, using YWHAZ polyclonal antibody (Cat # PAB18263).

Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using YWHAZ polyclonal antibody (Cat # PAB18263).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using YWHAZ polyclonal antibody (Cat # PAB18263).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — YWHAZ

Entrez GeneID	<a href="#">7534</a>
Protein Accession#	<a href="#">P63104</a>
Gene Name	YWHAZ
Gene Alias	KCIP-1, MGC111427, MGC126532, MGC138156
Gene Description	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
Omim ID	<a href="#">601288</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. [provided by RefSeq]
Other Designations	14-3-3 protein/cytosolic phospholipase A2 14-3-3 zeta OTTHUMP00000165851 OTTHUMP00000165852 OTTHUMP00000165854 OTTHUMP00000165858 OTTHUMP00000165859 OTTHUMP00000165860 phospholipase A2 protein kinase C inhibitor protein-1 tyrosine 3/tryptophan 5 -monooxyg

## Publication Reference

- [Isoform-specific differences in rapid nucleocytoplasmic shuttling cause distinct subcellular distributions of 14-3-3 sigma and 14-3-3 zeta.](#)

van Hemert MJ, Niemantsverdriet M, Schmidt T, Backendorf C, Spaink HP.

Journal of Cell Science 2004 Mar; 117(Pt 8):1411.

Application: IF, WB, Human, HaCaT, Hela cells

- [Proteomic analysis reveals that 14-3-3sigma is down-regulated in human breast cancer cells.](#)

Vercoutter-Edouart AS, Lemoine J, Le Bourhis X, Louis H, Boilly B, Nurcombe V, Revillion F, Peyrat JP, Hondermarck H.

Cancer Research 2001 Jan; 61(1):76.

## Pathway

- [Cell cycle](#)
- [Neurotrophin signaling pathway](#)
- [Pathogenic Escherichia coli infection - EHEC](#)

## Disease

- [Alzheimer disease](#)
- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)