

RecomAb™

# YWHAB recombinant monoclonal antibody, clone R08-4A7

Catalog # RAB01771      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Lane 1: rat brain and Lane 2: rat lung lysates with YWHAB recombinant monoclonal antibody, clone R08-4A7 (Cat # RAB01771).

## Specification

|                      |  |
|----------------------|--|
| Product Description  | Rabbit recombinant monoclonal antibody raised against human YWHAB.   |
| Antibody Species     | Rabbit   |
| Immunogen            | Original antibody is raised against a synthetic peptide of human YWHAB.  |
| Theoretical MW (kDa) | Calculated MW: 28 kD   |
| Reactivity           | Human, Mouse, Rat  |
| Form                 | Liquid   |
| Purification         | Affinity purification  |
| Isotype              | IgG  |
| Recommend Usage      | Immunohistochemistry (1/50-1/100)<br>Immunoprecipitation (1/20)<br>Western Blot (1/500-1/1000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer       | In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)   |

**Storage Instruction**

Store at -20 °C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of Lane 1: rat brain and Lane 2: rat lung lysates with YWHAB recombinant monoclonal antibody, clone R08-4A7 (Cat # RAB01771).

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

- Immunoprecipitation

## Gene Info — YWHAB

**Entrez GeneID** [7529](#)

**Protein Accession#** [P31946](#)

**Gene Name** YWHAB

**Gene Alias** GW128, HS1, KCIP-1

**Gene Description** tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide

**Omim ID** [601289](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary**

This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq]

**Other Designations**

14-3-3 protein beta/alpha|OTTHUMP00000031075|OTTHUMP00000031076|brain protein 14-3-3, beta isoform|protein 1054|protein kinase C inhibitor protein-1

## Pathway

- [Cell cycle](#)
- [Neurotrophin signaling pathway](#)

## Disease

- [Autistic Disorder](#)