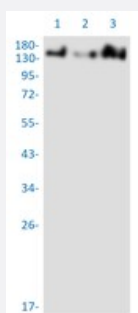


RecomAb™

# ZFYVE9 recombinant monoclonal antibody, clone R01-0A4

Catalog # RAB04446      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Lane 1: HeLa whole cell lysate, Lane 2: A549 whole cell lysate and Lane 3: HL-60 whole cell lysate with ZFYVE9 recombinant monoclonal antibody, clone R01-0A4 (Cat # RAB04446).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human ZFYVE9.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human ZFYVE9.
<b>Theoretical MW (kDa)</b>	Calculated MW: 156 k
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity chromatography
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% Sodium azide)

**Storage Instruction**

Store at 4°C. For long term storage 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: HeLa whole cell lysate, Lane 2: A549 whole cell lysate and Lane 3: HL-60 whole cell lysate with ZFYVE9 recombinant monoclonal antibody, clone R01-0A4 (Cat # RAB04446).

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

- Immunoprecipitation

## Gene Info — ZFYVE9

**Entrez GeneID**[9372](#)**Protein Accession#**[O95405](#)**Gene Name**

ZFYVE9

**Gene Alias**

MADHIP, NSP, SARA, SMADIP

**Gene Description**

zinc finger, FYVE domain containing 9

**Omim ID**[603755](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a double zinc finger (FYVE domain) protein that interacts directly with SMAD2 and SMAD3, and is involved in Alzheimer's disease. SMAD proteins transmit signals from transmembrane serine/threonine kinase receptors to the nucleus. The FYVE domain has been identified in a number of unrelated signaling molecules. This protein functions to recruit SMAD2 to the transforming growth factor-beta receptor. The FYVE domain is required to maintain the normal localization of this protein but is not involved in mediating interaction with SMADs. The C-terminal domain of this protein interacts with the TGFB receptor. This protein is a component of the TGFB pathway that brings the SMAD substrate to the receptor. Three alternatively spliced transcripts encoding distinct isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

MAD homolog interacting protein|MAD, mothers against decapentaplegic homolog interacting protein, receptor activation anchor|MADH-interacting protein|OTTHUMP00000009739|OTTHUMP00000009740|OTTHUMP00000009741|mothers against decapentaplegic homolog interact

## Pathway

- [TGF-beta signaling pathway](#)