

## Anti-YWHAG antibody

<b>Cat. No.</b>	ml260653
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-YWHAG rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Synthetic peptide of human YWHAG
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	1.1 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	YWHAG
<b>Full name</b>	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma

polypeptide

**Synonyms** 14-3-3GAMMA

**Swissprot** P61981

#### **Target Background**

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 100% identical to the rat ortholog. It is induced by growth factors in human vascular smooth muscle cells, and is also highly expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways.

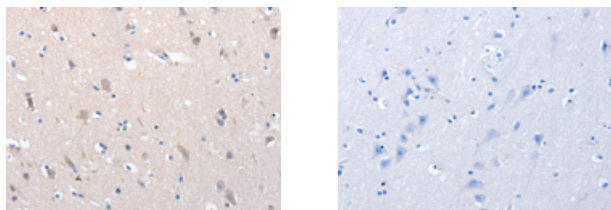
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml260653(YWHAG Antibody) at dilution 1/100, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 28 kDa

Positive control: Hela, 293T and Jurkat cells

Recommended dilution: 1000-5000

Gel: 10%SDS-PAGE

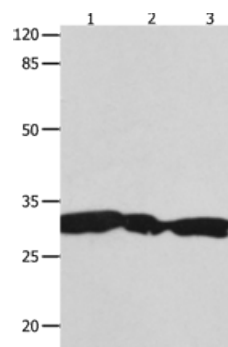
Lysate: 40 µg

Lane 1-3: Hela cells, 293T cells, Jurkat cells

Primary antibody: ml260653(YWHAG Antibody) at dilution 1/1800

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



## ELISA

Recommended dilution: 2000-10000

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