

**ARG57090**  
**anti-14-3-3 epsilon antibody [4F8]**Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [4F8] recognizes 14-3-3 epsilon
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	4F8
Isotype	IgG2b, kappa
Target Name	14-3-3 epsilon
Species	Human
Immunogen	Recombinant fragment around aa. 1-255 of Human 14-3-3 epsilon
Conjugation	Un-conjugated
Alternate Names	KCIP-1; HEL2; MDCR; 14-3-3 protein epsilon; 14-3-3E; MDS

### Application Instructions

Application table	Application	Dilution
	WB	Assay-dependent

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

### Database links

[GeneID: 7531 Human](#)

[Swiss-port # P62258 Human](#)

### Gene Symbol

YWHAE

### Gene Full Name

tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon

### 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 mouse ortholog. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, have been found for this gene. [provided by RefSeq, Aug 2008]

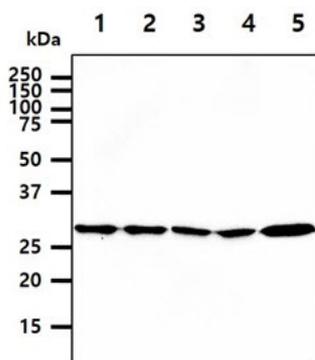
### Function

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. [UniProt]

### Calculated Mw

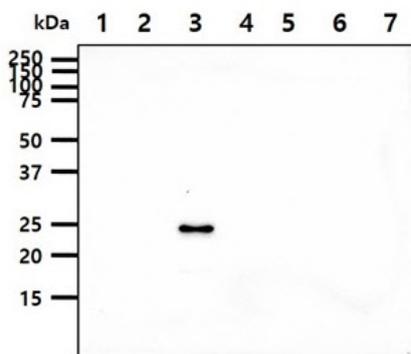
29 kDa

## Images



ARG57090 anti-14-3-3 epsilon antibody [4F8] WB image

Western blot: 40 µg of 1) HeLa, 2) Jurkat, 3) 293T, 4) A549, and 5) Mouse Brain Tissue lysate stained with ARG57090 anti-14-3-3 epsilon antibody [4F8] at 1:1000.



ARG57090 anti-14-3-3 epsilon antibody [4F8] WB image

Western blot: 50 ng of 1) 14-3-3 Zeta, 2) 14-3-3 Beta, 3) 14-3-3 Epsilon, 4) 14-3-3 Eta, 5) 14-3-3 Gamma, 6) 14-3-3 Sigma, and 7) 14-3-3 Tau recombinant proteins stained with ARG57090 anti-14-3-3 epsilon antibody [4F8] at 1:1000.