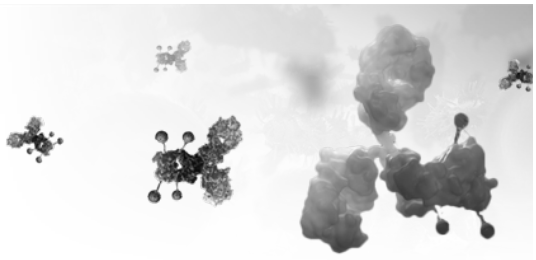

# Anti-14-3-3 monoclonal antibody, clone 3R359 (DCABH-3893)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Product Overview** | Mouse monoclonal to 14-3-3 |
| **Antigen Description** | 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. Negative regulator of osteogenesis. Blocks the nuclear translocation of the phosphorylated form (by AKT1) of SRPK2 and antagonizes its stimulatory effect on cyclin D1 expression resulting in blockage of neuronal apoptosis elicited by SRPK2. |
| **Specificity** | Detection varies from tissue to tissue (Brain, Retina, Testis, Pineal, Kidney, Spleen, Adrenal, Lung, Heart, Liver, Ovary, Thyroid) and during development. This is a pan specific 14-3-3 antibody. |
| **Immunogen** | Synthetic peptide, corresponding to amino acids 208-244 of Rat 14-3-3. |
| **Isotype** | IgG2a |
| **Source/Host** | Mouse |
| **Species Reactivity** | Rat |
| **Clone** | 3R359 |
| **Conjugate** | Unconjugated |
| **Applications** | WB |
| **Format** | Liquid |
| **Size** | 250 µl |

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

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|---|---|
| **Buffer** | Preservative: None; Constituents: Tissue Culture Supernatant |
| **Preservative** | None |
| **Storage** | store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| **Ship** | Shipped at 4°C. |

# GENE INFORMATION

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|---|---|
| **Gene Name** | Ywhaz tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide [ Rattus norvegicus ] |
| **Official Symbol** | Ywhaz |
| **Synonyms** | YWHAZ; tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide; 14-3-3 protein zeta/delta; KCIP-1; protein kinase C inhibitor protein 1; mitochondrial import stimulation factor S1 subunit; 14-3-3z; |
| **Entrez Gene ID** | 25578 |
| **Protein Refseq** | NP_037143 |
| **UniProt ID** | P63102 |
| **Pathway** | Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; GP1b-IX-V activation signalling, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; |
| **Function** | protein binding; protein complex binding; protein domain specific binding; protein domain specific binding; transcription factor binding; transcription factor binding; |

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