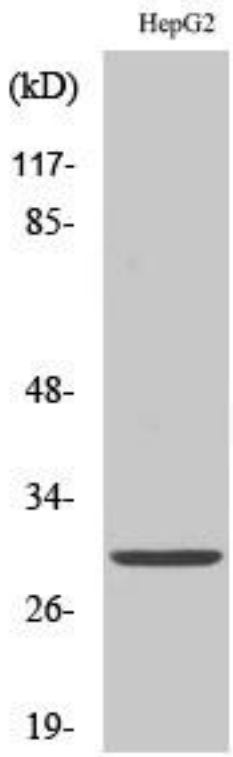
14-3-3 ε Monoclonal Antibody

Catalog No	YP-mAb-03658
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	YWHAE
Protein Name	14-3-3 protein epsilon
Immunogen	The antiserum was produced against synthesized peptide derived from human 14-3-3 epsilon. AA range:206-255
Specificity	14-3-3 ε Monoclonal Antibody detects endogenous levels of 14-3-3 ε protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	YWHAE; 14-3-3 protein epsilon; 14-3-3E
Observed Band	29kD
Cell Pathway	Nucleus . Cytoplasm . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV. .
Tissue Specificity	B-cell lymphoma,Brain,Cajal
Function	function:Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathway. 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.,similarity:Belongs to the 14-3-3 family.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Homodimer. Heterodimerizes with YWHAZ. Interacts with NDEL1, RGNEF and TIAM2 (By similarity). Interacts with HCV core protein. Interacts with ABL1 (phosphorylated form); the interaction retains it in the cytoplasm. Weakly interacts with CDKN1B.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using 14-3-3 ε Monoclonal Antibody