



14-3-3 ε Rabbit mAb

Catalog No	YP-rAb-17089
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IF,ELISA
Gene Name	YWHAE
Protein Name	14-3-3 protein epsilon
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	14-3-3 ε;14-3-3 protein epsilon;YWHAE ; 14-3-3 protein epsilon ; 14-3-3E;YWHAE
Observed Band	29kD
Calculated Molecular Weight	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	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 T IAM2 (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





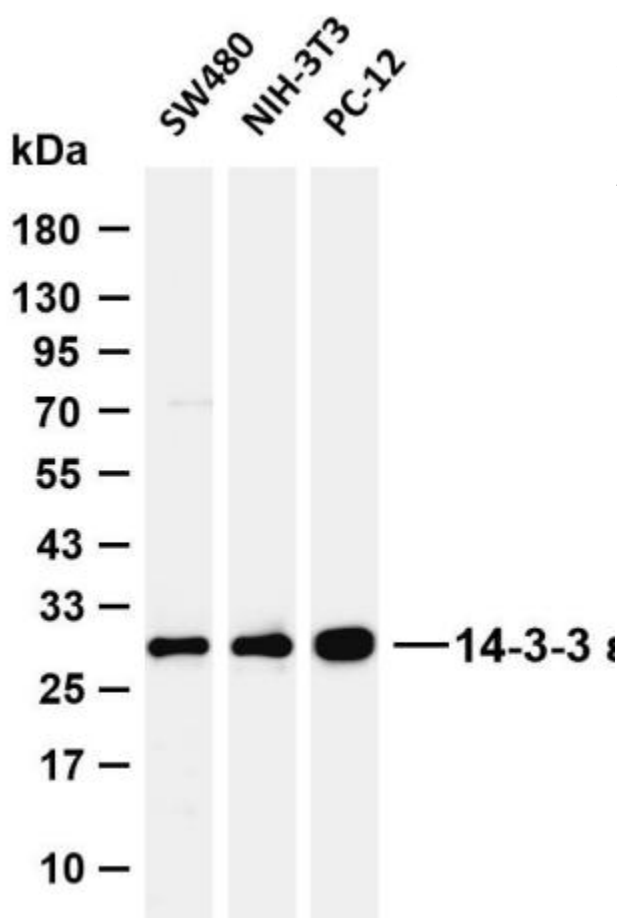
100% identical to the mouse ortholog. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small 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.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-14-3-3 ϵ antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: SW480 Lane 2: NIH-3T3 Lane 3: PC-12 Predicted band size: 29kDa Observed band size: 29kDa

