Erbin mouse mAb

Catalog No	YP-mAb-04362
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	ERBB2IP ERBIN KIAA1225 LAP2
Protein Name	Erbin Monoclonal Antibody
Immunogen	Synthesized peptide derived from human Erbin
Specificity	This antibody detects endogenous levels of Human Erbin Monoclonal Antibody
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	Protein LAP2 (Densin-180-like protein;Erbb2-interacting protein;Erbin)
Observed Band	
Cell Pathway	Cell junction, hemidesmosome . Nucleus membrane . Basolateral cell membrane . Found in hemidesmosomes, which are cell-substrate adhesion complexes in stratified epithelia. In transfected cells, either diffusely distributed over the cytoplasm or concentrated at the basolateral membrane. Colocalizes with the adrenergic receptors, ADREN1A and ADREN1B, at the nuclear membrane of cardiac myocytes (By similarity). .
Tissue Specificity	Highly expressed in brain, heart, kidney, muscle and stomach, followed by liver, spleen and intestine.
Function	function:Acts as an adapter for the receptor ERBB2, in epithelia. By binding the unphosphorylated 'Tyr-1248' of receptor ERBB2, it may contribute to stabilize this unphosphorylated state.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the LAP (LRR and PDZ) protein family.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 17 LRR (leucine-rich) repeats.,subcellular location:Found in hemidesmosomes, which are cell-substrate adhesion complexes in stratified epithelia. In transfected cells, either diffusely distributed over the cytoplasm or concentrated at the basolateral membrane.,subunit:Interacts with ERBB2, BPAG1 and ITGB4. May favor the localization of ERBB2, by restricting its presence to the basolateral membrane of epithelial cells. Also found to interact with ARVCF and delta catenin.,tissue

	specificity:Highly expressed in brain, hea
Background	This gene is a member of the leucine-rich repeat and PDZ domain (LAP) family. The encoded protein contains 17 leucine-rich repeats and one PDZ domain. It binds to the unphosphorylated form of the ERBB2 protein and regulates ERBB2 function and localization. It has also been shown to affect the Ras signaling pathway by disrupting Ras-Raf interaction. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011],
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.

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