

Product name:	Erbin (phospho Tyr1104) Rabbit Polyclonal Antibody
Cat number:	ABN04629
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized phospho-peptide around the phosphorylation site of human Erbin (phospho Tyr1104)
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight:	172kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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],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, heart, kidney, muscle and stomach, followed by liver, spleen and intestine.,