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ErbB2IP

Mouse monoclonal antibody raised against a partial recombinant ERBB2IP.
Catalog # AT1935a

Product Information

Application	WB, E
Primary Accession	Q96RT1
Other Accession	NM_018695
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	10G1
Calculated MW	158298

Additional Information

Gene ID	55914
Other Names	Protein LAP2, Densin-180-like protein, Erbb2-interacting protein, Erbin, ERBB2IP, ERBIN, KIAA1225, LAP2
Target/Specificity	ERBB2IP (NP_061165, 1272 a.a. ~ 1371 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ErbB2IP is for research use only and not for use in diagnostic or therapeutic procedures.

Background

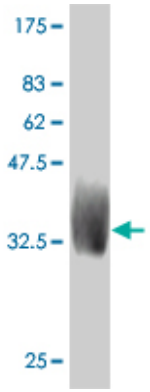
This gene is a member of the leucine-rich repeat and PDZ domain (LAP) family. The encoded protein contains 17 leucine-rich repeats and one PDZ domain. It binds to the unphosphorylated form of the ERBB2 protein and regulates ERBB2 function and localization. It has also been shown to affect the Ras signaling pathway by disrupting Ras-Raf interaction. Alternate transcriptional splice variants encoding different isoforms have been found for this gene, but only two of them have been characterized to date.

References

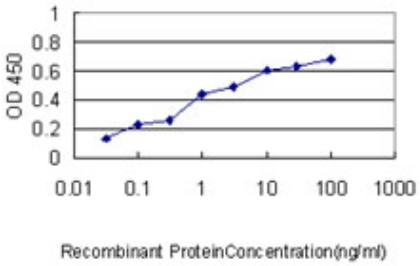
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype

score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Densin-180: revised membrane topology, domain structure and phosphorylation status. Thalhammer A, et al. J Neurochem, 2009 Apr. PMID 19187442.Biochemical studies and molecular dynamics simulations of Smad3-Erbin interaction identify a non-classical Erbin PDZ binding. D?liot N, et al. Biochem Biophys Res Commun, 2009 Jan 16. PMID 19013433.The PDZ protein erbin modulates beta-catenin-dependent transcription. Ress A, et al. Eur Surg Res, 2008. PMID 18667832.Palmitoylation of ERBIN is required for its plasma membrane localization. Izawa I, et al. Genes Cells, 2008 Jul. PMID 18498353.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged ERBB2IP is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.