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Rabbit Anti-Paxillin [EP89]: RM0157

Intended Use: For Research Use Only

Description: Paxillin is a cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion). It is a multidomain protein. The C-terminal region of paxillin contains four LIM domains that target paxillin to focal adhesions, presumably through a direct association with the cytoplasmic tail of beta-integrin. The N-terminus of paxillin controls most of its signaling activity. The proteins that bind to paxillin are diverse and include protein tyrosine kinases, such as Src and FAK, structural proteins, such as vinculin and actopaxin, and regulators of actin organization, such as COOL/PIX and PKL/GIT. Paxillin is widely expressed in epithelial cells of various tissues, neuronal cells and mesenchymal derived cells. An antibody to Paxillin is helpful in differentiating between renal cell carcinoma (Paxillin negative) and chromophobe renal cell carcinoma or renal oncocytoma (Paxillin positive) , which are rare renal tumors originating from the intercalated cells of collecting ducts. Paxillin has been reported to be involved in tumor invasion and metastasis. Its expression in lung and liver cancers has been correlated with advanced tumor stage and metastasis.

Specifications

Clone: EP89
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Cytoplasm
Formulation: Tissue culture supernatant in PBS pH7.5, containing 0.2% BSA, 15mM sodium azide (NaN3)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
Paxillin Concentrated	RM0157	1 ml

IHC Procedure*

Positive Control Tissue: Breast cancer
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.