ARG58204
anti-Paxillin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Paxillin
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Paxillin
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 456-472 of Human Paxillin (HEKDGKAYCRKDYFDMF). (100% homologous in Human, Mouse and Rat)
Conjugation	Un-conjugated
Alternate Names	Paxillin

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/1x10^6 cells
ICC/IF	1 - 5 µg/ml
IHC-Fr	1 - 5 µg/ml
IHC-P	1 - 5 µg/ml
WB	0.5 - 1 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

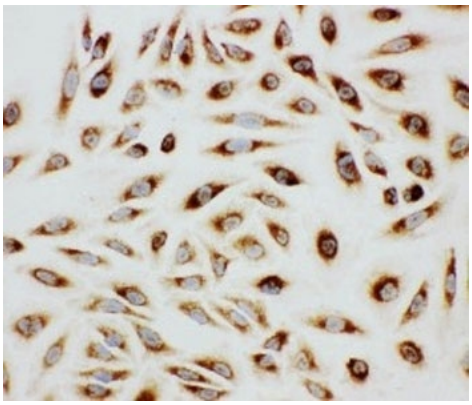
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

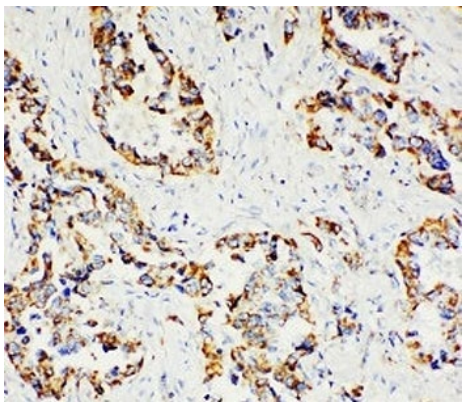
Gene Symbol	PXN
Gene Full Name	paxillin
Background	This gene encodes a cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. These isoforms exhibit different expression pattern, and have different biochemical, as well as physiological properties (PMID:9054445). [provided by RefSeq, Aug 2011]
Function	Cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion). [UniProt]
Calculated Mw	61/65/66 kDa (Isoform alpha/beta/gamma)
PTM	Phosphorylated by MAPK1/ERK2 (By similarity). Phosphorylated on tyrosine residues during integrin-mediated cell adhesion, embryonic development, fibroblast transformation and following stimulation of cells by mitogens. Phosphorylation at Ser-244 by CDK5 reduces its interaction with PTK2/FAK1 in matrix-cell focal adhesions (MCFA) during oligodendrocytes (OLs) differentiation. Phosphorylation at Tyr-31 and Tyr-118 by PTK6 promote the activation of RAC1 via CRK/CrkII, thereby promoting migration and invasion. Phosphorylation at Ser-250 by SLK is required for PXN redistribution and cell motility (PubMed:23128389). [UniProt]

Images



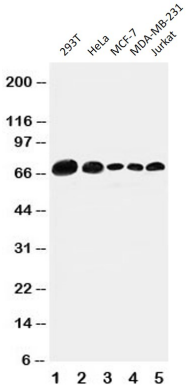
ARG58204 anti-Paxillin antibody ICC/IF image

Immunocytochemistry: HeLa cells stained with ARG58204 anti-Paxillin antibody.



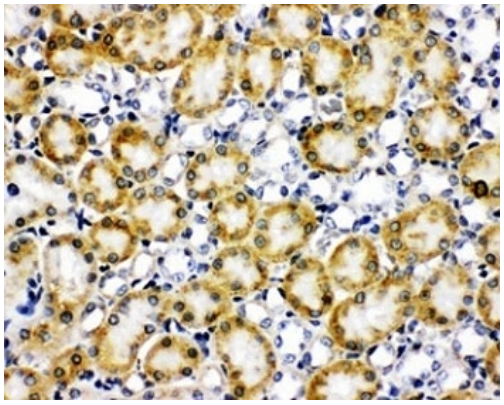
ARG58204 anti-Paxillin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG58204 anti-Paxillin antibody.



ARG58204 anti-Paxillin antibody WB image

Western blot: 1) 293T, 2) HeLa, 3) MCF-7, 4) MDA-MB-231 and 5) Jurkat cell lysates stained with ARG58204 anti-Paxillin antibody.



ARG58204 anti-Paxillin antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat kidney tissue stained with ARG58204 anti-Paxillin antibody.