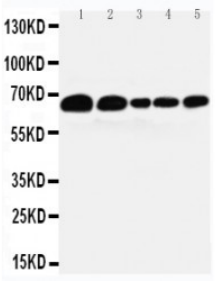
Product Data Sheet:
Paxillin Mouse Monoclonal Antibody

Cat. No:	MAB-80123
Conjugate:	Unconjugated
Size:	100 ug
Clone:	PXC-10
Concentration:	Adding 500ul of PBS buffer will yield a concentration of 100 ug/500ul.
Host:	Mouse
Isotype:	IgG1
Immunogen:	C-terminal part of recombinant chicken paxillin (amino acids 305-559).
Reactivity:	Bovine, Chicken, Hamster, Human, Mouse, Rat
Applications:	Immunocytochemistry: 1ug/ml Western blot: 1-2ug/ml
Molecular Weight:	65kDa
Purification:	Ascites
Background:	The paxillin gene can be alternatively spliced to include 1 of 2 alternative exons, generating beta and gamma isoforms. Paxillin is a 68-kDa focal adhesion protein that is phosphorylated on tyrosine residues in fibroblasts in response to transformation by v-src, treatment with platelet-derived growth factor, or cross-linking of integrins. The 68-kD protein (paxillin) is a cytoskeletal component that localizes to the focal adhesions at the ends of actin stress fibers in chicken embryo fibroblasts. It is also present in the focal adhesions of Madin-Darby bovine kidney (MDBK) epithelial cells but is absent, like talin, from the cell-cell adherens junctions of these cells.
Form:	Liquid
Buffer:	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Storage:	Store at -20˚C for one year from date of receipt



Western blot analysis of Paxillin using anti-Paxillin antibody.
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours.
The
sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human A431 whole cell lysates

Lane 2: human Hela whole cell lysates
Lane 3: human MCF-7 whole cell lysates
Lane 4: human CACO-2 whole cell lysates
Lane 5: rat liver tissue lysates
Lane 6: rat RH35 whole cell lysates
Lane 7: mouse liver tissue lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes.Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-Paxillin antigen affinity purified monoclonal antibody at 1 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Paxillin at approximately 65 kDa. The expected band size for Paxillin is at 65 kDa.