

Beta-actin Monoclonal Antibody

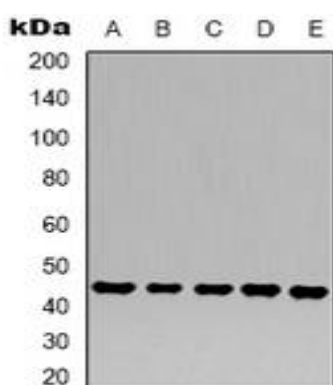
Basic information:

Catalog No.:	UMA00058	Source:	Mouse
Size:	50ul/100ul	Clonality:	Monoclonal
Concentration:	1mg/ml	Isotype:	IgG
Purification:	The antibody was purified by immunogen affinity chromatography.		

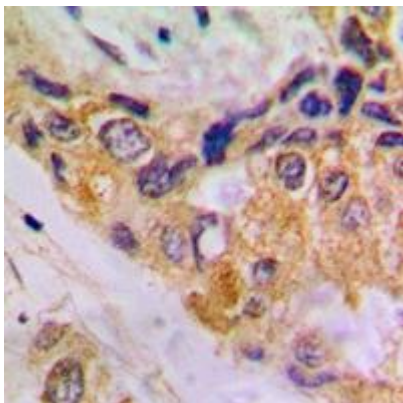
Useful Information:

Applications:	WB: 1:2000 - 1:5000 IHC: 1:100-1:200 IF/IC: 1:100-1:200
Reactivity:	Human, Mouse, Rat, Monkey, Dog, Chicken, Rabbit
Specificity:	Recognizes endogenous levels of Beta-actin protein.
Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence of human Beta-actin. The exact sequence is proprietary.
Description:	Mouse monoclonal antibody to Beta-actin
Uniprot:	P60709(Human), P60710(Mouse), P60711(Rat)
BiowMW:	Refer to Figures
Buffer:	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage:	Store at 4°C short term and -20°C long term. Avoid freeze-thaw cycles.
Note:	For research use only, not for use in diagnostic procedure.

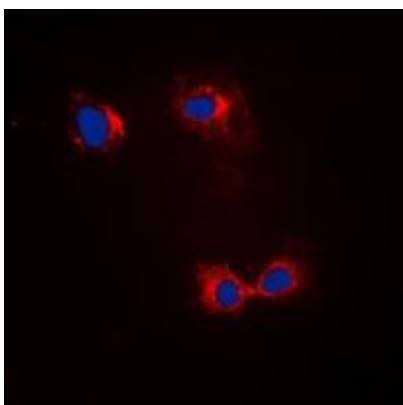
Data:



Western blot analysis of Beta-actin expression in 293T (A), HeLa (B), mouse kidney (C), rat heart (D), rat brain (E) whole cell lysates.



Immunohistochemical analysis of Beta-actin staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Beta-actin staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a FITC-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).