

Anti-ACTN1/2/3/4 Antibody

Catalog #	Source	Reactivity	Applications
CPA3466	Rabbit	H, M, R, B, C, Z	WB, IH
Description	Rabbit polyclonal antibody to ACTN1/2/3/4		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ACTN1/2/3/4. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of ACTN1/2/3/4 protein.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/100)		
Gene Symbol	ACTN1; ACTN2; ACTN3; ACTN4		
Alternative Names	ACTN1; Alpha-actinin-1; Alpha-actinin cytoskeletal isoform; F-actin cross-linking protein; Non-muscle alpha-actinin-1; ACTN2; Alpha-actinin-2; Alpha-actinin skeletal muscle isoform 2; F-actin cross-linking protein; ACTN3; Alpha-actinin-3; Alpha-actinin skeletal muscle isoform 3; F-actin cross-linking protein; ACTN4; Alpha-actinin-4; F-actin cross-linking protein; Non-muscle alpha-actinin 4		
Entrez Gene	87, 88, 89, 81 (Human); 109711, 11472, 11474, 60595 (Mouse); 81634, 63836 (Rat)		
SwissProt	P12814, P35609, Q08043, O43707 (Human); Q7TPR4, Q9JI91, O88990, P57780 (Mouse); Q9Z1P2, Q9QXQ0 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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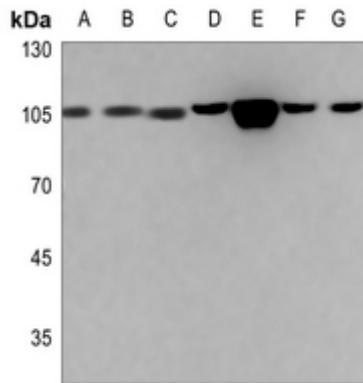
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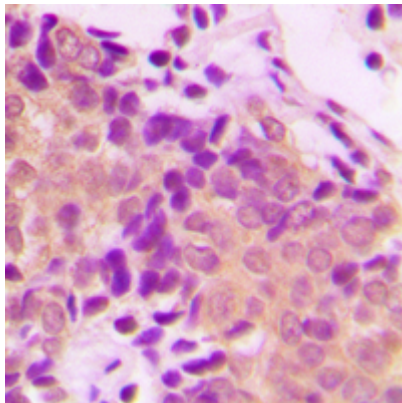
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Product Data Sheet



Western blot analysis of ACTN1/2/3/4 expression in A375 (A), U2OS (B), DLD (C), mouse heart (D), mouse muscle (E), rat heart (F), rat muscle (G) whole cell lysates. (Predicted band size: 103; 104 kD; Observed band size: 105 kD)



Immunohistochemical analysis of ACTN1/2/3/4 staining in human breast 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.

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