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Datasheet for ABIN7299748

anti-ACTN1/2/3/4 antibody (N-Term)

2 Images

Overview

Quantity:	100 µL
Target:	ACTN1/2/3/4 (ACTN1/ACTN2/ACTN3/ACTN4)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Chicken, Cow, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACTN1/2/3/4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ACTN1/2/3/4.
Specificity:	Recognizes endogenous levels of ACTN1/2/3/4 protein.
Characteristics:	Rabbit polyclonal antibody to ACTN1/2/3/4
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	ACTN1/2/3/4 (ACTN1/ACTN2/ACTN3/ACTN4)
Alternative Name:	ACTN1/2/3/4 (ACTN1/ACTN2/ACTN3/ACTN4 Products)
Background:	ACTN1, Alpha-actinin-1, Alpha-actinin cytoskeletal isoform, F-actin cross-linking protein, Non-

Target Details

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

Gene ID: 87, 88, 89

UniProt: [P12814](#), [P35609](#), [Q08043](#), [O43707](#), [Q7TPR4](#), [Q9JI91](#), [O88990](#), [P57780](#), [Q9Z1P2](#), [Q9QXQ0](#)

Application Details

Application Notes: WB (1:500 - 1:1000), IH (1:100 - 1:200), IP (1:10 - 1:100)

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.

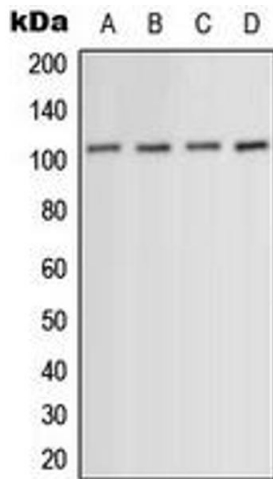
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

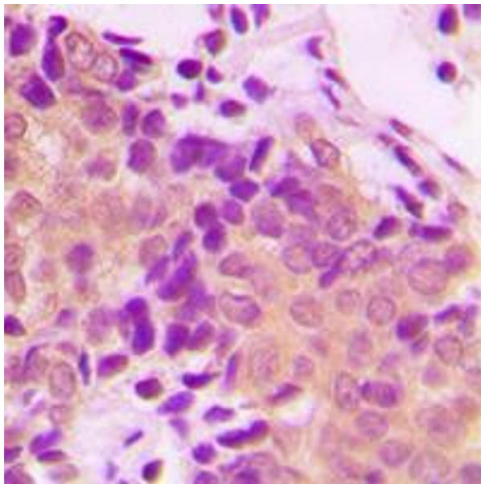
Storage Comment: Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Expiry Date: 12 months



Western Blotting

Image 1. Western blot analysis of ACTN1/2/3/4 expression in HeLa (A), HuvEc (B), mouse muscle (C), PC12 (D) whole cell lysates.



Immunohistochemistry

Image 2. 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.