

Datasheet for ABIN2613374
anti-ACTN1 antibody (AA 596-609)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	ACTN1
Binding Specificity:	AA 596-609
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ACTN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	ACTN1 (aa596-609)
Immunogen:	Peptide with sequence C-TPQEINGKWDHVRQ, from the internal region of the protein sequence
Sequence:	TPQEINGKWD HVRQ
Isotype:	IgG
Specificity:	This antibody is expected to recognize all reported isoforms (NP_001123476.1, NP_001093.1, NP_001123477.1).
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

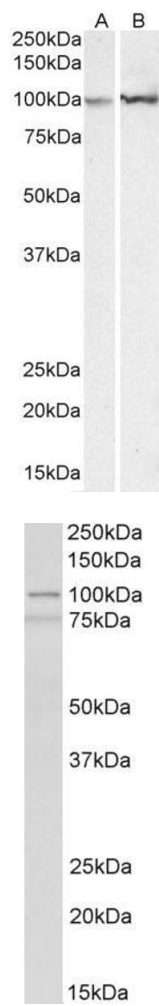
Target:	ACTN1
Alternative Name:	ACTN1 (ACTN1 Products)
Background:	ACTN1, actinin, alpha 1, F-actin cross-linking protein, actinin 1 smooth muscle, alpha-actinin cytoskeletal isoform, alpha-actinin-1, non-muscle alpha-actinin-1
Gene ID:	87, 109711, 81634
NCBI Accession:	NP_001123476 , NP_001093 , NP_001123477
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	Western Blot: Approx 100 kDa band observed in Human, Mouse and Rat Spleen lysates (calculated MW of 103 kDa according to NP_001093.1). Recommended concentration: 0.3-1 µg/mL. An additional band of unknown identity was also consistently observed at 75 kDa. Th Peptide ELISA: antibody detection limit dilution 1:128000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. ABIN2613374 (0.3µg/ml) staining of Mouse (A) and Rat (B) Spleen lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Western Blotting

Image 2. ABIN2613374 (0.3µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.