

## ACTN4 Antibody (N-term)

Catalog_no :	AB2543
Reactivity :	H
Category :	抗原抗体
Size :	100 $\mu$ L/50 $\mu$ L
Immunogen :	HUMAN:192-220
Specificity :	This ACTN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-220 amino acids from the N-terminal region of human ACTN4.
Dilution :	WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Other_name :	Alpha-actinin-4, F-actin cross-linking protein, Non-muscle alpha-actinin 4, ACTN4
Isotype :	Rabbit Ig
Background :	Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This protein is a nonmuscle, alpha actinin isoform which is concentrated in the cytoplasm, and is thought to be involved in metastatic processes. Mutations in the gene encoding this protein have been associated with focal and segmental glomerulosclerosis.
reference :	Kikuchi,S., Clin. Cancer Res. 14 (17), 5348-5356 (2008) Barbolina,M.V., Lab. Invest. 88 (6), 602-614 (2008) Kimura,M., Intern. Med. 47 (12), 1099-1106 (2008)