

Nur für Forschungszwecke

ACTN4 Polyklonaler Antikörper

Katalog-Nr.:19096-1-AP

Vorgestelltes Produkt

16 Publikationen



Allgemeine Informationen

Katalog-Nr.: 19096-1-AP	GenBank-Zugangsnummer: BC005033	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 800 µg/ml von Nanodrop;	GeneID (NCBI): 81	Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
Wirt: Kaninchen	Vollständiger Name: actinin, alpha 4	IHC 1:50-1:500 IF 1:10-1:100
Isotyp: IgG	Berechnete Masse: 105 kDa	
Immunogen Katalognummer: AG13546	Beobachtete Masse: 100-105 kDa	

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
CoIP, ELISA, IF, IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus, Ratte

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HEK-293T-Zellen, C2C12-Zellen, HeLa-Zellen, Jurkat-Zellen, Mauslebergewebe, NIH/3T3-Zellen

IP: HeLa-Zellen,

IHC: humanes Lungenkarzinomgewebe, humanes Mammakarzinomgewebe

IF: MCF-7-Zellen, HeLa-Zellen

Hintergrundinformationen

ACTN4 (alpha actinin 4) is a ubiquitous actin-binding protein that cross-links actin filaments into bundles to form filopodia, and has a crucial role in cytoskeletal organization. ACTN4 is colocalized with actin stress fibers and is dispersed in the cytoplasm and in the nucleus. Increased levels of ACTN4 have been associated with cancer metastasis, indicating its implication in cancer cell migration and metastasis. Defects in ACTN4 cause glomerular disease. This antibody recognizes 100-105 kDa of endogenous ACTN4 protein in various lysates. (22370640, 10700177)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ming-Chuan Wang	25299231	J Thorac Oncol	ELISA
Qiang Wang	34606417	Bioengineered	WB
Hongfei Ge	27874083	Sci Rep	WB,IF

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

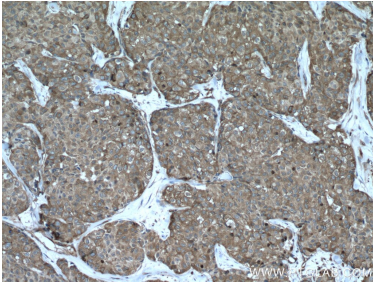
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

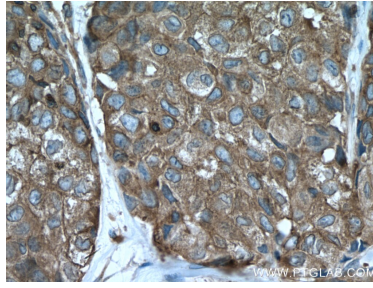
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

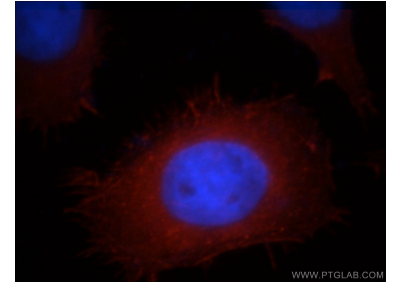
Ausgewählte Validierungsdaten



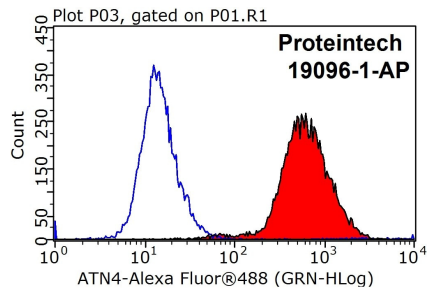
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 19096-1-AP (ACTN4 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



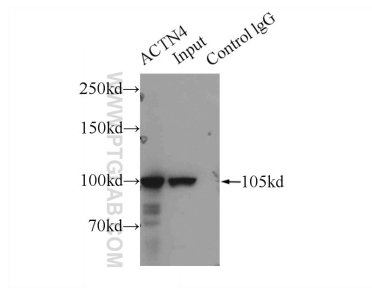
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 19096-1-AP (ACTN4 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



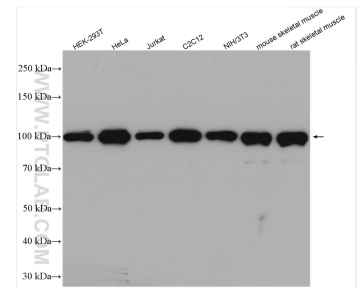
Immunofluorescent analysis of MCF-7 cells, using ACTN4 antibody 19096-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



1X10⁶ HeLa cells were stained with 0.2ug ACTN4 antibody (19096-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



IP Result of anti-ACTN4 (IP:19096-1-AP, 5ug; Detection:19096-1-AP 1:1000) with HeLa cells lysate 3000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 19096-1-AP (ACTN4) antibody at dilution of 1:25000 incubated at room temperature for 1.5 hours.