

Nur für Forschungszwecke

S100A4 Polyklonaler Antikörper

Katalog-Nr.:16105-1-AP

Vorgestelltes Produkt

41 Publikationen



Allgemeine Informationen

Katalog-Nr.: 16105-1-AP	GenBank-Zugangsnummer: BC016300	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 6275	Empfohlene Verdünnungen: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: S100 calcium binding protein A4	
Isotyp: IgG	Berechnete Masse: 101 aa, 12 kDa	
Immunogen Katalognummer: AG9019	Beobachtete Masse: 10-12 kDa	

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Hausschwein, Human, Maus, Ratte

Positivkontrollen:

WB: A549-Zellen, HeLa-Zellen, NIH/3T3-Zellen

IHC: humanes Mammakarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Pankreaskarzinomgewebe

IF: HeLa-Zellen,

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

Hintergrundinformationen

S100A4 is a member of the S100 family of calcium-binding proteins. The S100 family members have been involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100A4 is known to localize to and function in the nucleus, cytoplasm of cells, and the extracellular space. S100A4 has also been shown to be associated with tumor growth, motility, invasion, metastasis, angiogenesis, apoptosis, and chemoresistance. It is a fibroblast-specific protein associated with mesenchymal cell morphology and motility, is expressed during epithelial-mesenchymal transformations (EMT) in vivo (PMID: 9362334). It is a specific prognostic marker for renal survival in patients with IgAN (PMID: 16105038). It is also an improved marker for lung fibroblasts that could be useful for investigating the pathogenesis of pulmonary fibrosis (PMID: 15618458). Overexpression of S100A4 is correlated with a worse prognosis in patients with various types of cancer.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Fei Yao	36163271	Inflamm Regen	WB,IF
Yixin Ren	30372905	Biomed Pharmacother	IHC
Kexin Ma	32961493	Ecotoxicol Environ Saf	WB

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

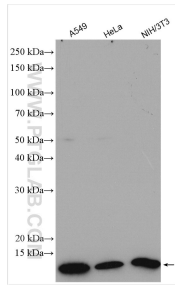
For technical support and original validation data for this product please contact:

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

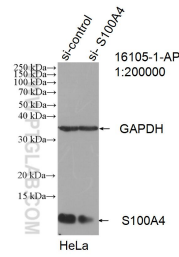
E: proteintech@ptglab.com
W: ptglab.com

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

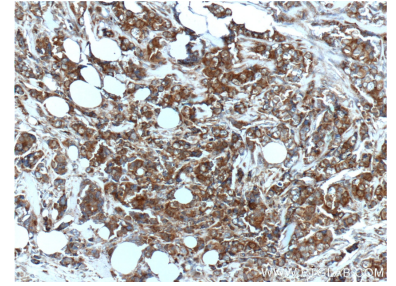
Ausgewählte Validierungsdaten



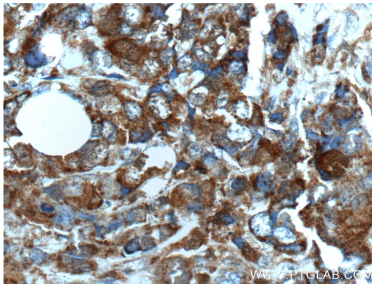
Various lysates were subjected to SDS PAGE followed by western blot with 16105-1-AP (S100A4 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



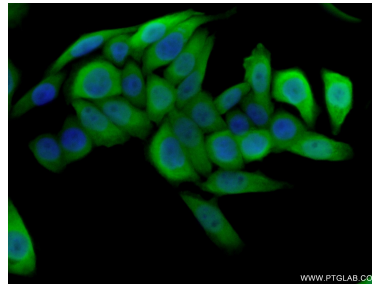
WB result of S100A4 antibody (16105-1-AP; 1:200000; incubated at room temperature for 1.5 hours) with sh-Control and sh-S100A4 transfected HeLa cells.



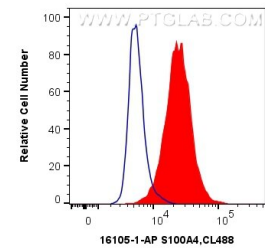
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 16105-1-AP (S100A4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 16105-1-AP (S100A4 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 16105-1-AP (S100A4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1×10^6 HeLa cells were intracellularly stained with 0.4 μ g Anti-Human S100A4 (16105-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).