

Nur für Forschungszwecke

S100A4 Monoklonaler Antikörper

Katalog-Nr.: 66489-1-Ig

Vorgestelltes Produkt

11 Publikationen



Allgemeine Informationen

Katalog-Nr.: 66489-1-Ig	GenBank-Zugangsnummer: BC016300	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul, Konzentration: 1700 µg/ml von 6275 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): von 6275	CloneNo.: 2G11B4
Wirt: Maus	Vollständiger Name: S100 calcium binding protein A4	Empfohlene Verdünnungen: WB 1:1000-1:6000 IHC 1:1000-1:4000 IF 1:50-1:500
Isotyp: IgG2a	Berechnete Masse: 101 aa, 12 kDa	
Immunogen Katalognummer: AG9019	Beobachtete Masse: 12 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, WB, ELISA	Positivkontrollen: WB: HeLa-Zellen, A375-Zellen, A549-Zellen, NIH/3T3-Zellen, PC-3-Zellen IHC: humanes Lungenkarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Tonsillitisgewebe, K-562-Zellen, Mauslungengewebe IF: HeLa-Zellen,
In Publikationen genannte Anwendungen: FC, IF, IHC, WB	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Human, Maus, Ratte	

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung 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
Xiaojuan Zhao	33058500	J Cell Mol Med	WB, IF
Jing Cheng	36313337	Front Pharmacol	IF
Li-Xue Yang	36322939	Blood	WB

Lagerung

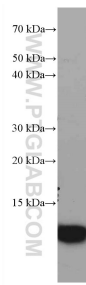
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

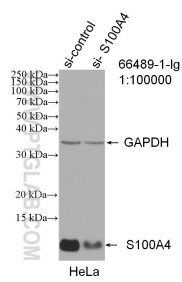
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

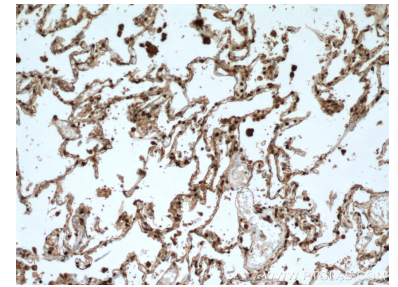
Ausgewählte Validierungsdaten



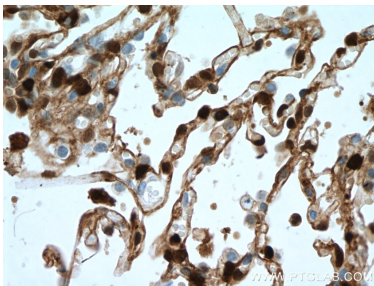
HeLa cells were subjected to SDS PAGE followed by western blot with 66489-1-Ig (S100A4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



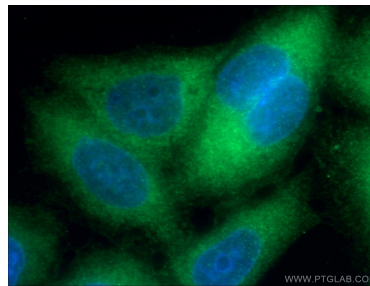
WB result of S100A4 antibody (66489-1-Ig; 1:100000; incubated at room temperature for 1.5 hours) with sh-Control and sh-S100A4 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66489-1-Ig (S100A4 antibody) at dilution of 1:4000 (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 66489-1-Ig (S100A4 antibody) at dilution of 1:4000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66489-1-Ig (S100A4 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).