

Allgemeine Informationen

Katalog-Nr.:

10875-1-AP

Größe:

150ul, Konzentration: 500 µg/ml von Nanodrop und 407 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG1301

GenBank-Zugangsnummer:

BC014623

GeneID (NCBI):

871

Vollständiger Name:

serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)

Berechnete Masse:

46 kDa

Beobachtete Masse:

46 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:6000

IHC 1:50-1:500

IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:

FC (Intra), IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Human, Maus

Positivkontrollen:

WB : HT-1080.Zellen, A2780-Zellen, A431-Zellen, NIH/3T3-Zellen

IHC : humanes Kolongewebe, humanes Leberzirrhosegewebe

IF : HeLa-Zellen,

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

Hintergrundinformationen

HSP47 is also named as Serpin H1, colligen, CBP1, CBP2, HSP47, SERPINH2 and belongs to the serpin family. This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The encoded protein is localized to the endoplasmic reticulum. It binds specifically to collagen and can be involved as a chaperone in the biosynthetic pathway of collagen. Autoantibodies to the encoded protein have been found in patients with rheumatoid arthritis. HSP47 has a calculated molecular weight of 46 kDa.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Veronique Pomerleau	36272709	J Proteomics	IF
Huan Chen	36422552	Pharmaceuticals (Basel)	IHC
Xiaoqing Liu	34726485	mSystems	IP

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**

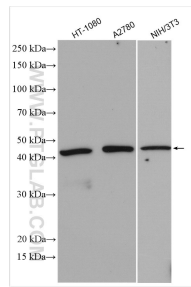
For technical support and original validation data for this product please contact:

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

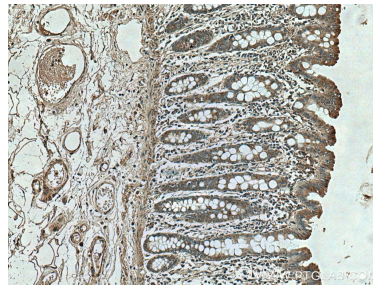
E: proteintech@ptglab.com
W: ptglab.com

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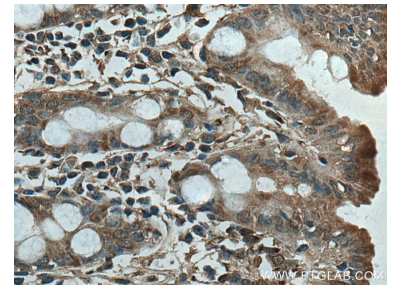
Ausgewählte Validierungsdaten



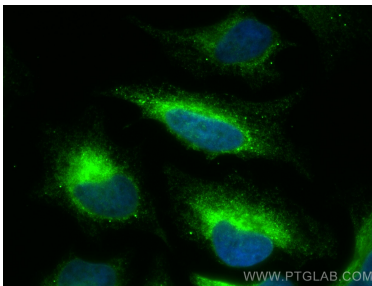
Various lysates were subjected to SDS PAGE followed by western blot with 10875-1-AP (HSP47 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



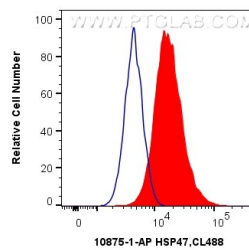
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 10875-1-AP (HSP47 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 10875-1-AP (HSP47 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HSP47 antibody (10875-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human HSP47 (10875-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).