

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-CD98/SLC3A2



Numéro de catalogue: 15193-1-AP

Phare

27 Publications

Informations de base

Numéro de catalogue:

15193-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG7280

Numéro d'acquisition GenBank:

BC001061

Identification du gène (NCBI):

6520

Nom complet:

solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2

MW calculé

68 kDa

MW observés:

85-94 kDa, 120-130 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:5000-1:20000

IHC 1:50-1:500

IF 1:200-1:800

Applications

Applications testées:

FC, IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules Raji

IHC : tissu testiculaire de rat, tissu placentaire humain, tissu testiculaire de souris

IF : cellules HepG2, cellules A549

Informations générales

CD98 is a cell-surface heterodimer consisting of a heavy chain (CD98hc) and a light chain. CD98hc also interacts with certain integrin b-subunits to regulate cell migration, survival, proliferation, and adhesion/polarity. CD98hc is overexpressed on the cell surface of many cancers and increased CD98hc expression is associated with the development and progression of tumors.(PMID:25084765). This protein has 4 isoforms with the molecular mass of 58-71 kDa and can be detected 85-94 kDa due to glycosylation. The glycosylated CD98hc can link to a non-glycosylated light chain (~40 kDa) via a disulfide bond to form a heterodimeric CD98 antigen with molecular mass of 120-130 kDa (PMID: 14770309).

Publications notables

Autrice	Pubmed ID	Journal	Application
Esther Paulo	34551310	Cell Rep	WB
Hou Chaoqun	36183442	Tissue Cell	IF
Hailong Gong	36164395	Oxid Med Cell Longev	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

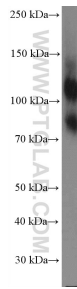
For technical support and original validation data for this product please contact:

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

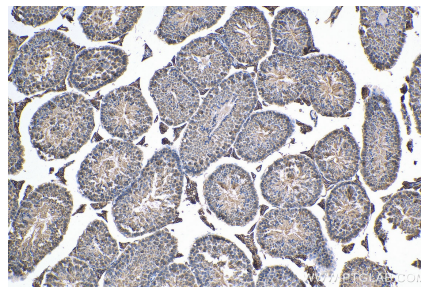
E: proteintech@ptglab.com
W: ptglab.com

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

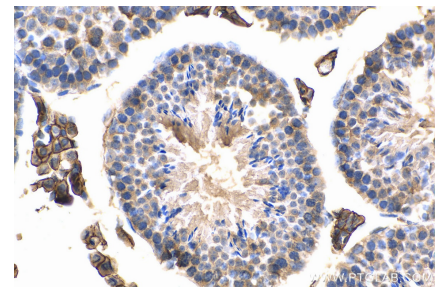
Données de validation sélectionnées



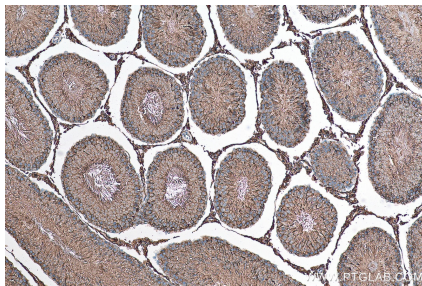
HeLa cells were subjected to SDS PAGE followed by western blot with 15193-1-AP (CD98 antibody at dilution of 1:20000 incubated at room temperature for 1.5 hours.



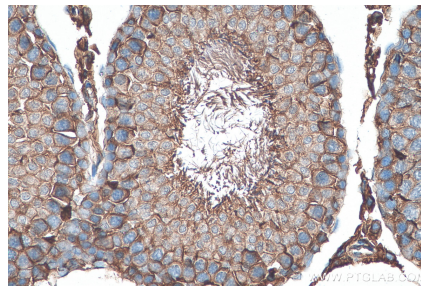
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15193-1-AP (CD98/SLC3A2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



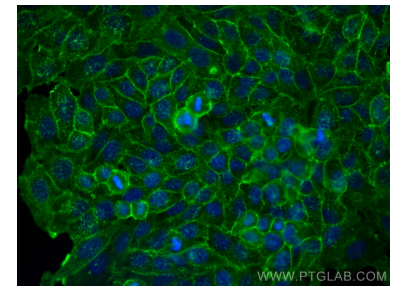
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15193-1-AP (CD98/SLC3A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



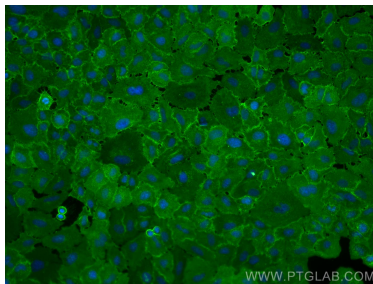
Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 15193-1-AP (CD98/SLC3A2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



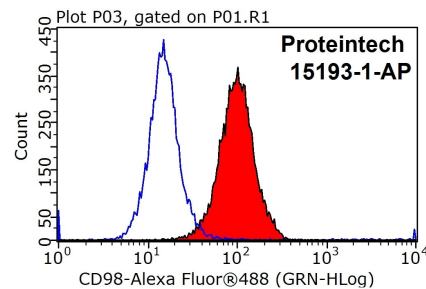
Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 15193-1-AP (CD98/SLC3A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CD98/SLC3A2 antibody (15193-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CD98/SLC3A2 antibody (15193-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HepG2 cells were stained with .2ug CD98 antibody (15193-1-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.