

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Band 3/ AE1



Numéro de catalogue: 18566-1-AP

7 Publications

Informations de base

Numéro de catalogue:
18566-1-AP

Taille:
150ul, Concentration: 400 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG13076

Numéro d'acquisition GenBank:
BC101570

Identification du gène (NCBI):
6521

Nom complet:
solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)

MW calculé
911 aa, 102 kDa

MW observés:
95 kDa, 50 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:200-1:1000
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
IHC 1:20-1:200
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris, Plasmodium falciparum

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HepG2,

IP : tissu hépatique de souris,

IHC : tissu splénique humain, tissu de cancer de l'estomac humain, tissu rénal humain

IF : tissu placentaire humain,

Informations générales

Anion exchanger 1 (AE1), also known as band 3, is a 95-100 kDa transmembrane glycoprotein which is abundantly expressed in erythrocyte plasma membrane and mediates the electroneutral exchange of Cl⁻ and HCO₃⁻. It contains a 52-55 kDa C-terminal membrane crossing domain and a 43 kDa N-terminal cytoplasmic domain. Degradation of band 3 protein occurred during erythrocyte aging. The oxidative stress can also activate the proteolysis of band 3 through caspases. This antibody is expected to recognize the intact band 3 (95-100 kDa) and various degradation products (38-60 kDa). (PMID: 22890269, 29240292, 28130418)

Publications notables

| Autrice | Pubmed ID | Journal | Application |
|----------------|-----------|----------------|-------------|
| De-Liang Zhang | 30213870 | Blood | WB |
| Xiao Han | 31681841 | Sci Adv | WB |
| Cong Li | 31885626 | Stem Cells Int | IF |

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.

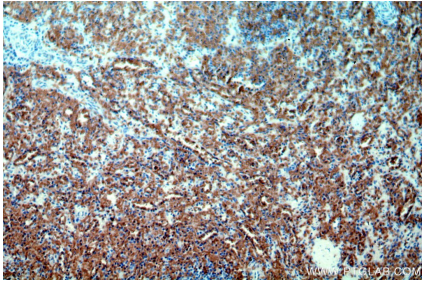
For technical support and original validation data for this product please contact:

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

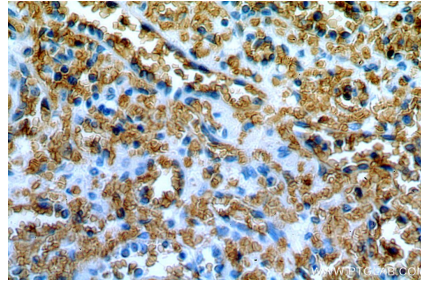
E: proteintech@ptglab.com
W: ptglab.com

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

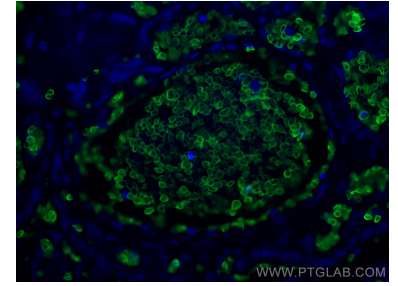
Données de validation sélectionnées



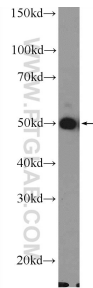
Immunohistochemical analysis of paraffin-embedded human spleen using 18566-1-AP (band 3 antibody) at dilution of 1:50 (under 10x lens).



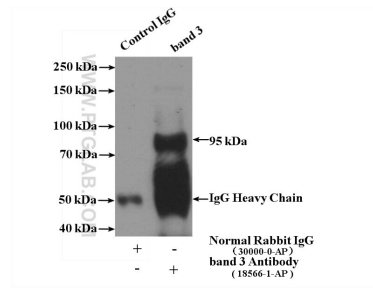
Immunohistochemical analysis of paraffin-embedded human spleen using 18566-1-AP (band 3 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using band 3/ AE1 antibody (18566-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



HepG2 cells were subjected to SDS PAGE followed by western blot with 18566-1-AP (band 3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP Result of anti-band 3 (IP:18566-1-AP, 4ug; Detection:18566-1-AP 1:300) with mouse liver tissue lysate 4000ug.