

Allgemeine Informationen

Katalog-Nr.: 28131-1-AP	GenBank-Zugangsnummer: BC101570	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 350 µg/ml von Nanodrop;	GeneID (NCBI): 6521	Empfohlene Verdünnungen: WB 1:200-1:1000 IHC 1:50-1:500 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)	
Isotyp: IgG	Berechnete Masse: 911 aa, 102 kDa	
Immunogen Katalognummer: AG27878	Beobachtete Masse: 95-100 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, WB, ELISA	Positivkontrollen: WB : COLO 320-Zellen, Mauslebergewebe
In Publikationen genannte Anwendungen: IF, IP, WB	IHC : humanes Milzgewebe, humanes Magenkrebsgewebe
Getestete Reaktivität: Human, Maus	IF : humanes Plazenta-Gewebe,
Zitierte Arten: Human, Maus	

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

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Eunus S Ali	35772404	Mol Cell	WB
Akihito Kitao	31997080	Int J Hematol	IP
George Vaisey	36515266	eLife	IF

Lagerung

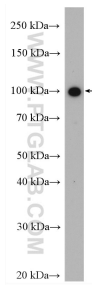
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

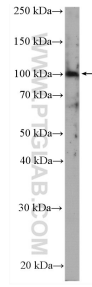
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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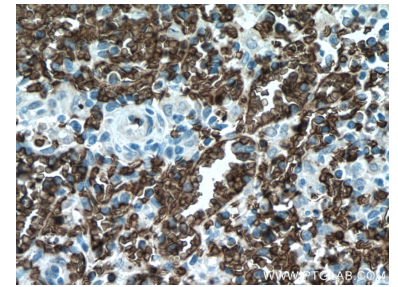
Ausgewählte Validierungsdaten



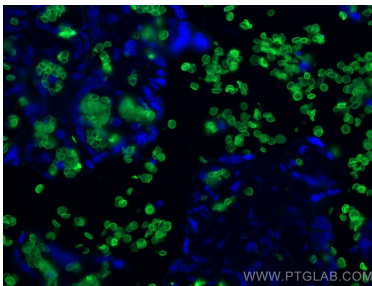
COLO 320 cells were subjected to SDS PAGE followed by western blot with 28131-1-AP (band 3/ AE1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



mouse liver tissue were subjected to SDS PAGE followed by western blot with 28131-1-AP (band 3/ AE1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 28131-1-AP (SLC4A1 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 human placenta tissue using band 3/ AE1 antibody (28131-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).