For Research Use Only

## Band 3/AE 1 Monoclonal antibody

Catalog Number:66984-1-lg 1 Publications

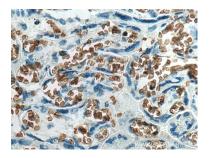


Basic Information	Catalog Number: 66984-1-lg	GenBank Accession Number: BC 101570	Purification Method: Protein A purification		
	Size:	GeneID (NCBI):	CloneNo.:		
	150ul , Concentration: 1000 ug/ml by		1E5C1		
	Nanodrop and 553 ug/ml by Bradford method using BSA as the standard; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG28058	P02730 Full Name: solute carrier family 4, anion	Recommended Dilutions: IHC 1:5000-1:20000 IF-P 1:200-1:800		
				exchanger, member 1 (erythrocyte membrane protein band 3, Diego	
				blood group)	
				Calculated MW:	
		911 aa, 102 kDa			
		Applications	Tested Applications:	Positive Con	trols:
			IHC, IF-P, ELISA	IHC : human	placenta tissue,
			Cited Applications: IF-P : huma IHC		placenta tissue,
Species Specificity: human					
Cited Species: mouse					
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
	<b>TE buffer pH 9.0; (*)</b> Alternativ retrieval may be performed w	vely, antigen			
Background Information	TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0 Anion exchanger 1 (AE1), also known expressed in erythrocyte plasma mer a 52-55 kDa C-terminal membrane cr band 3 protein occurred during erythro	vely, antigen ith citrate as band 3, is a 95-100 kDa transmem mbrane and mediates the electroneut rossing domain and a 43 kDa N-termir ocyte aging. The oxidative stress can pected to recognize the intact band 3	brane glycoprotein which is abundantly ral exchange of Cl- and HCO3 It contai nal cytoplasmic domain. Degradation of also activate the proteolysis of band 3 (95-100 kDa) and various degradation		
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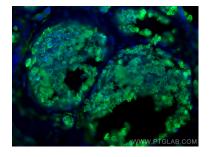
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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

## Selected Validation Data



Immunohistochemical analysis of paraffinembedded human placenta tissue slide using 66984-1-1g (band 3/ AE1 antibody) at dilution of 1:10000 (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 (66984-1-Ig, Clone: 1E5C1) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).