

anti- band 3 antibody

Product Information

Catalog No.:	FNab00798
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen:	solute carrier family 4, anion exchanger, member 1
Synonyms:	AE 1, AE1, Anion exchange protein 1, Anion exchanger 1, band 3, Band 3 anion transport protein, BND3, CD233, DI, EMPB3, EPB3, FR, RTA1A, SLC4A1, SW, WD, WD1, WR
Observed MW:	43 kDa,52-70 kDa,95-102 kDa
Uniprot ID :	P02730

Application

Reactivity:	Human, Mouse, Rat
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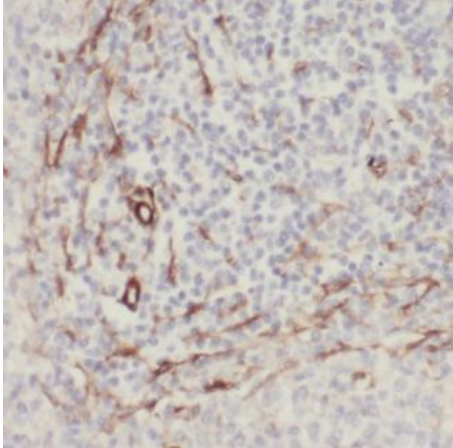
Wuhan Fine Biotech Co., Ltd.

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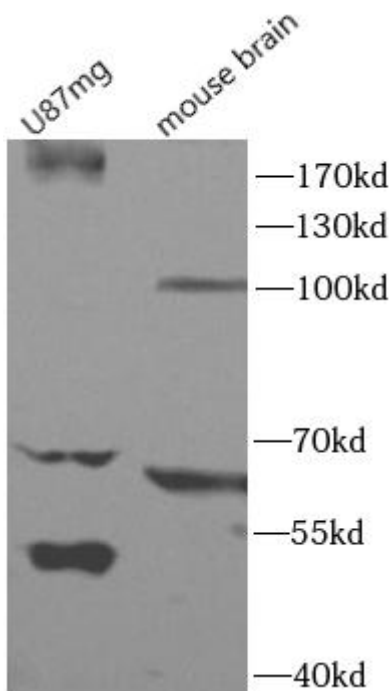
Tested Application: ELISA, IHC, WB

Recommended dilution: WB: 1:200-1:1000; IP: 1:200-1:1000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human spleen using FNab00798(SLC4A1 antibody) at dilution of 1:50



Various lysates were subjected to SDS PAGE followed by western blot with FNab00798(SLC4A1 Antibody) at dilution of 1:500