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Datasheet for ABIN872324  
**anti-Band 3/AE1 antibody (AA 601-700)**

### Overview

Quantity:	100 µL
Target:	Band 3/AE1 (SLC4A1)
Binding Specificity:	AA 601-700
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Band 3/AE1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Band3/CD233
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse
Purification:	Purified by Protein A.

### Target Details

Target:	Band 3/AE1 (SLC4A1)
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## Target Details

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Alternative Name: Band3 ([SLC4A1 Products](#))

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Background: Synonyms: DI, FR, SW, WD, WR, AE1, WD1, BND3, EPB3, CD233, EMPB3, RTA1A, Band 3 anion transport protein, Anion exchange protein 1, AE 1, Anion exchanger 1, Solute carrier family 4 member 1, SLC4A1

Background: Functions both as a transporter that mediates electroneutral anion exchange across the cell membrane and as a structural protein. Major integral membrane glycoprotein of the erythrocyte membrane, required for normal flexibility and stability of the erythrocyte membrane and for normal erythrocyte shape via the interactions of its cytoplasmic domain with cytoskeletal proteins, glycolytic enzymes, and hemoglobin. Functions as a transporter that mediates the 1:1 exchange of inorganic anions across the erythrocyte membrane. Mediates chloride-bicarbonate exchange in the kidney, and is required for normal acidification of the urine.

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Gene ID: 6521

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UniProt: [P02730](#)

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## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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## Handling

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handled by trained staff only.

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Storage: 4 °C,-20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months