

Band 3/AE1 Rabbit pAb

CatalogNo: YN7007

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 100kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human Band 3/AE1

Specificity This antibody detects endogenous levels of Band 3/AE1 at Human, Mouse, Rat

Target Information

Gene name SLC4A1 AE1 DI EPB3

Protein Name	Band 3 anion transport protein (Anion exchange protein 1) (AE 1) (Anion exchanger 1) (Solute carrier family 4 member 1) (CD antigen CD233)		
	Organism	Gene ID	UniProt ID
	Human	6521 ;	P02730 ;
	Mouse	20533 ;	P04919 ;
	Rat	24779 ;	P23562 ;
Cellular Localization	Cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein . Detected in the erythrocyte cell membrane and on the basolateral membrane of alpha-intercalated cells in the collecting duct in the kidney. .		
Tissue specificity	Detected in erythrocytes (at protein level). ; [Isoform 2]: Expressed in kidney (at protein level).		
Function	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.		

| Validation Data

| Contact information

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Please scan the QR code to access additional product information:

Band 3/AE1 Rabbit pAb

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