

## 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

<b>Protein Name</b>	Band 3 anion transport protein (Anion exchange protein 1) (AE 1) (Anion exchanger 1) (Solute carrier family 4 member 1) (CD antigen CD233)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">6521</a> ;	<a href="#">P02730</a> ;
	Mouse	<a href="#">20533</a> ;	<a href="#">P04919</a> ;
	Rat	<a href="#">24779</a> ;	<a href="#">P23562</a> ;
<b>Cellular Localization</b>	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. .		
<b>Tissue specificity</b>	Detected in erythrocytes (at protein level). ; [Isoform 2]: Expressed in kidney (at protein level).		
<b>Function</b>	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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