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# anti-Band 3/AE1 antibody (AA 184-233)





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#### Overview

Quantity:	100 μL
Target:	Band 3/AE1 (SLC4A1)
Binding Specificity:	AA 184-233
Reactivity:	Human, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Band 3/AE1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))

#### **Product Details**

Brand:	IHC-plus <sup>™</sup>
Immunogen:	Synthetic peptide located between aa184-233 of human CHAMP1 (P02730, NP_000333).  Percent identity by BLAST analysis: Human, Gorilla, Gibbon (100%), Orangutan, Bat (92%),  Marmoset (91%), Rabbit (84%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human SLC4A1 / Band 3
Predicted Reactivity:	Percent identity by BLAST analysis: Human (100%) Rabbit (84%).
Purification:	Immunoaffinity purified

#### **Target Details**

Target:	Band 3/AE1 (SLC4A1)
Alternative Name:	SLC4A1 / Band 3 / AE1 (SLC4A1 Products)
Background:	Name/Gene ID: SLC4A1 Subfamily: Anion exchanger
	Family: Transporter
	Synonyms: SLC4A1, Anion exchanger 1, Anion exchanger-1, AE1, Anion exchange protein 1, Band 3, Band 3 anion transport protein, BND3, CD233, DI, EPB3, AE 1, Froese blood group, FR,
	RTA1A, SW, Swann blood group, WD1, WR, Wright blood group, WD, CD233 antigen, EMPB3, Waldner blood group
Gene ID:	6521
NCBI Accession:	NP_000333
UniProt:	P02730

## **Application Details**

	App	lication	Notes:
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Approved: IHC, IHC-P (5 µg/mL), WB (0.1 µg/mL)

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5  $\mu$  g/mL.Antibody has been tested in a peptide-based ELISA.

Com	ment:

Target Species of Antibody: Human

Restrictions:

For Research Use only

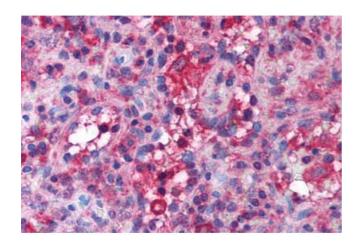
#### Handling

Format:	Lyophilized
Reconstitution:	After adding water, will consist of PBS buffer with 2 % sucrose
Concentration:	Lot specific

# Handling

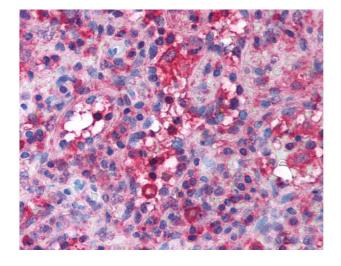
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year)  Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

### **Images**



#### **Immunohistochemistry**

Image 1. Spleen



#### **Immunohistochemistry**

**Image 2.** Anti-Band 3 antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other fo ...