

**DATASHEET**

**AE2 Rabbit Polyclonal Antibody**

CAT. NO. APA14703

**KEY FEATURES**

Target	AE2	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

Sodium-independent anion exchanger which mediates the electroneutral exchange of chloride for bicarbonate ions across the cell membrane . Plays an important role in osteoclast differentiation and function . Regulates bone resorption and calpain-dependent actin cytoskeleton organization in osteoclasts via anion exchange-dependent control of pH . Essential for intracellular pH regulation in CD8(+) T-cells upon CD3 stimulation, modulating CD8(+) T-cell responses .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

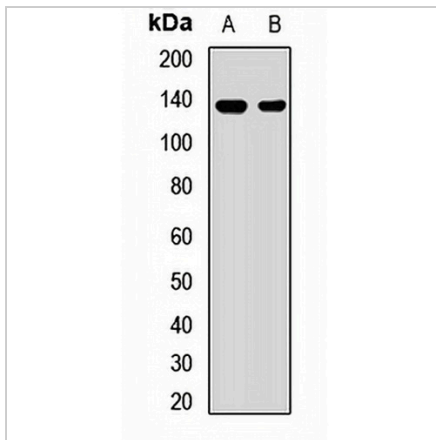
Description	Rabbit polyclonal antibody to AE2
Specificity	Recognizes endogenous levels of AE2 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human AE2
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 135; Observed: 140 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	AE2; EPB3L1; HKB3; MPB3L; Anion exchange protein 2; AE 2; Anion exchanger 2; Non-erythroid band 3-like protein; BND3L; Solute carrier family 4 member 2
Gene Symbol	SLC4A2
Entrez Gene	6522(Human); 20535(Mouse)
SwissProt	P04920(Human); P13808(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of AE2 expression in A549 (A), Jurkat (B) whole cell lysates. (Predicted band size: 135; 136; 137 kD; Observed band size: 140 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.