

# AE4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51724

## Product Information

Application	WB
Primary Accession	<a href="#">Q96Q91</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	108248

## Additional Information

Gene ID	83697
Other Names	Anion exchange protein 4, AE 4, Anion exchanger 4, Sodium bicarbonate cotransporter 5, Solute carrier family 4 member 9, SLC4A9, AE4, SBC5
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human AE4. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

Name	SLC4A9 ( <a href="#">HGNC:11035</a> )
Function	Electroneutral Cl(-)/HCO3(-) antiporter that favors chloride ion entry and efflux of hydrogen carbonate and sodium ion across the basolateral membrane and may participate in salivary secretion (PubMed: <a href="#">27114614</a> ). Also mediates Cl(-)/HCO3(-) exchange activity in the presence of K(+) as well as Cs(+), Li(+), and Rb(+) (By similarity). Does not contribute to Cl(-)/HCO3(-) exchanger in the apical membrane of the upper villous epithelium (By similarity).
Cellular Location	Basolateral cell membrane {ECO:0000250 UniProtKB:A0A494BA31}; Multi-pass membrane protein. Note=Localized in the basolateral membrane of the cortical collecting duct (CCD)and submandibular gland (SMG) duct {ECO:0000250 UniProtKB:A0A494BA31}
Tissue Location	Kidney specific. {ECO:0000269 PubMed:11305939, ECO:0000269 Ref.7}

## Background

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Probable apical anion exchanger of the kidney cortex (By similarity).

## References

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Parker M.D.,et al.Biochem. Biophys. Res. Commun. 282:1103-1109(2001).  
Lipovich L.,et al.Genome Biol. 2:RESEARCH0011.1-RESEARCH0011.13(2001).  
Schmutz J.,et al.Nature 431:268-274(2004).  
Karet F.E.,et al.Submitted (DEC-2000) to the EMBL/GenBank/DDBJ databases.  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

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