

Band 3 Rabbit mAb
Catalog # AP75144**Specification**

Band 3 Rabbit mAb - Product Information

Application	WB
Primary Accession	P02730
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	101792

Band 3 Rabbit mAb - Additional Information**Gene ID** 6521**Other Names**
SLC4A1**Dilution**
WB~~1/500-1/1000**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**Band 3 Rabbit mAb - Protein Information****Name** SLC4A1 ([HGNC:11027](#))**Synonyms** AE1, DI, EPB3**Function**

Functions both as a transporter that mediates electroneutral anion exchange across the cell membrane and as a structural protein (PubMed:10926824, PubMed:14734552, PubMed:1538405, PubMed:16227998, PubMed:20151848, PubMed:24121512, PubMed:28387307, PubMed:35835865). Component of the ankyrin-1 complex 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 (PubMed:<a

[1538405](http://www.uniprot.org/citations/1538405), PubMed: [20151848](http://www.uniprot.org/citations/20151848), PubMed: [35835865](http://www.uniprot.org/citations/35835865)). 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 (PubMed: [10926824](http://www.uniprot.org/citations/10926824) target="_blank">14734552 target="_blank">16227998 target="_blank">24121512" target="_blank">28387307" target="_blank">28387307).

Cellular Location

Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. Note=Detected in the erythrocyte cell membrane and on the basolateral membrane of alpha-intercalated cells in the collecting duct in the kidney.

Tissue Location

Detected in erythrocytes (at protein level).

Band 3 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Band 3 Rabbit mAb - Images



