# Product datasheet for TA371272

## Band 3 (SLC4A1) Rabbit Polyclonal Antibody

## Product data:

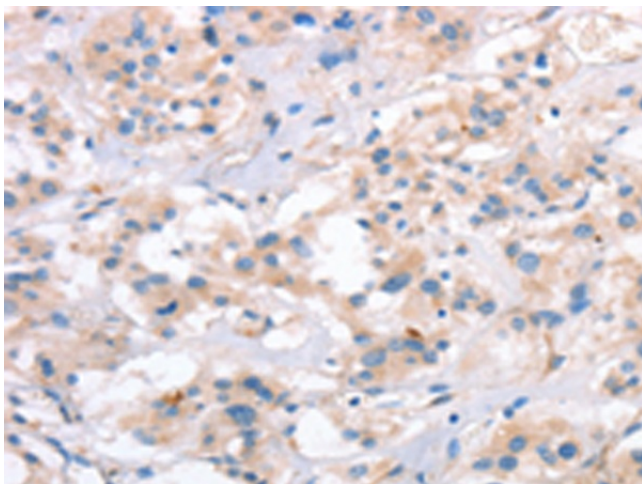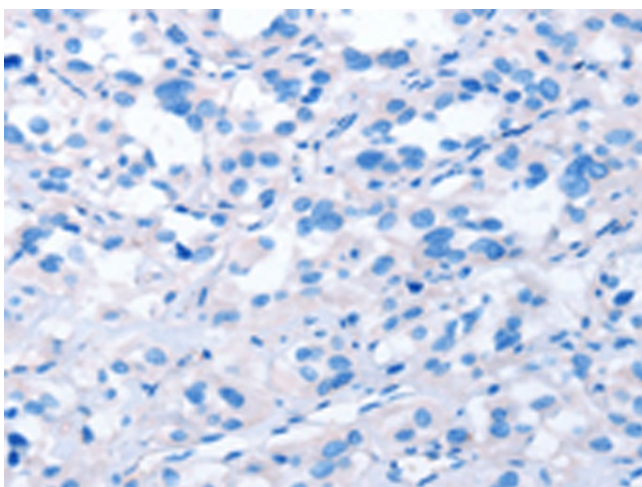| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | IHC |
| **Recommended Dilution:** | IHC: 15-50 |
| | Positive control: Human thyroid cancer |
| | Predicted cell location: Cytoplasm |
| **Reactivity:** | Human |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Synthetic peptide of human SLC4A1 |
| **Formulation:** | pH7.4 PBS, 0.05% NaN3, 40% Glycerol |
| **Concentration:** | lot specific |
| **Purification:** | Antigen affinity purification |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C. |
| **Stability:** | 1 year |
| **Gene Name:** | solute carrier family 4 member 1 (Diego blood group) |
| **Database Link:** | Entrez Gene 6521 Human |
| | P02730 |
| **Background:** | The protein encoded by this gene is part of the anion exchanger (AE) family and is expressed in the erythrocyte plasma membrane, where it functions as a chloride/bicarbonate exchanger involved in carbon dioxide transport from tissues to lungs. The protein comprises two domains that are structurally and functionally distinct. The N-terminal 40kDa domain is located in the cytoplasm and acts as an attachment site for the red cell skeleton by binding ankyrin. The glycosylated C-terminal membrane-associated domain contains 12-14 membrane spanning segments and carries out the stilbene disulphonate-sensitive exchange transport of anions. |

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Synonyms: AE1; BND3; CD233; DI; EMPB3; EPB3; FR; MGC116750; MGC116753; MGC126619; MGC126623; RTA1A; SW; WD; WD1; WR

## Product images:



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA371272 (SLC4A1 Antibody) at dilution 1/15 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA371272 (SLC4A1 Antibody) at dilution 1/15, treated with synthetic peptide. (Original magnification: ×200)