



# S12A2 Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-06222                                                                                                                                                                                                                                                                                                                                                                                   |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                          |
| Reactivity         | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                  |
| Applications       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Name          | SLC12A2 NKCC1                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Name       | Solute carrier family 12 member 2 (Basolateral Na-K-Cl symporter) (Bumetanide-sensitive sodium-(potassium)-chloride cotransporter 1)                                                                                                                                                                                                                                                         |
| Immunogen          | Synthesized peptide derived from part region of human protein                                                                                                                                                                                                                                                                                                                                |
| Specificity        | S12A2 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                              |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                               |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                       |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                        |
| Dilution           | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                             |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                         |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                 |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                              |
| Observed Band      | 133kD                                                                                                                                                                                                                                                                                                                                                                                        |
| Cell Pathway       | Basolateral cell membrane ; Multi-pass membrane protein .                                                                                                                                                                                                                                                                                                                                    |
| Tissue Specificity | Expressed in many tissues.                                                                                                                                                                                                                                                                                                                                                                   |
| Function           | function:Electrically silent transporter system. Mediates sodium and chloride reabsorption. Plays a vital role in the regulation of ionic balance and cell volume.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the SLC12A transporter family.,tissue specificity:Expressed in many tissues.,                                                           |
| Background         | The protein encoded by this gene mediates sodium and chloride transport and reabsorption. The encoded protein is a membrane protein and is important in maintaining proper ionic balance and cell volume. This protein is phosphorylated in response to DNA damage. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jan 2012], |

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**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

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