

SLC12A4 Polyclonal Antibody
Catalog # AP63696**Specification**

SLC12A4 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q9UP95
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal

SLC12A4 Polyclonal Antibody - Additional Information**Gene ID** 6560**Other Names**

Solute carrier family 12 member 4 (Electroneutral potassium-chloride cotransporter 1) (Erythroid K-Cl cotransporter 1) (hKCC1)

Dilution

WB~~WB 1:1000-2000, IHC 1:100-200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

SLC12A4 Polyclonal Antibody - Protein Information**Name** SLC12A4 ([HGNC:10913](#))**Function**

Mediates electroneutral potassium-chloride cotransport when activated by cell swelling. May contribute to cell volume homeostasis in single cells (PubMed:10913127, PubMed:34031912). May be involved in the regulation of basolateral Cl(-) exit in NaCl absorbing epithelia (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

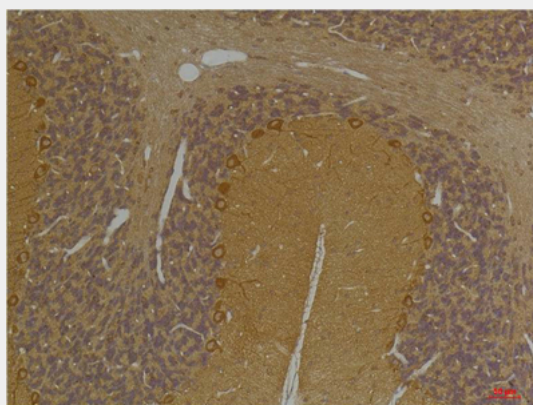
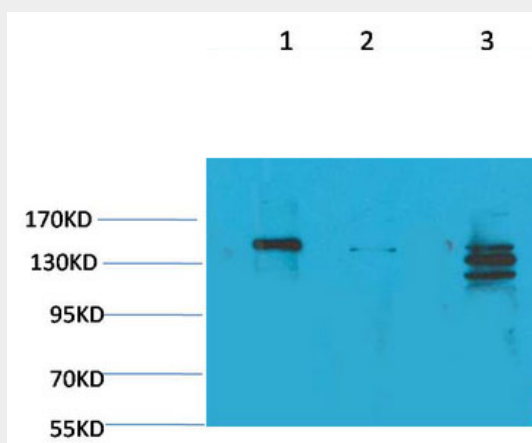
Ubiquitous (PubMed:8663127, PubMed:9516379). Levels are much higher in erythrocytes from patients with Hb SC and Hb SS compared to normal AA erythrocytes (PubMed:9516379). This may contribute to red blood cell dehydration and to the manifestation of sickle cell disease by increasing the intracellular concentration of HbS (PubMed:9516379).

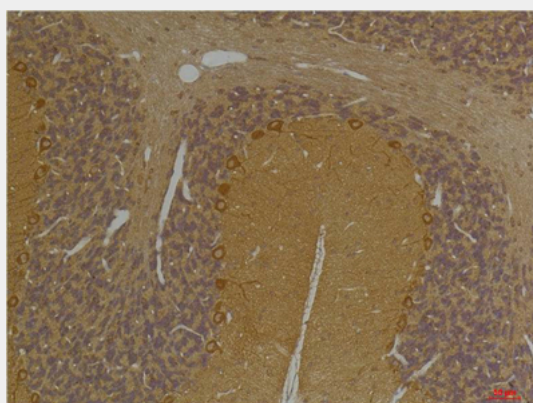
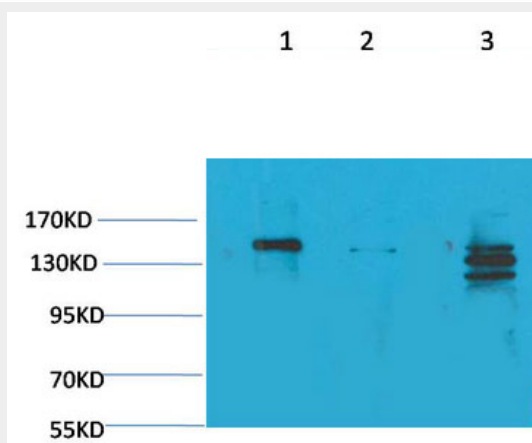
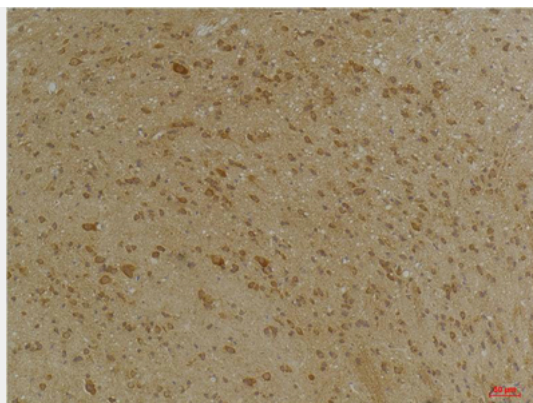
SLC12A4 Polyclonal Antibody - Protocols

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](#)

SLC12A4 Polyclonal Antibody - Images







SLC12A4 Polyclonal Antibody - Background

Mediates electroneutral potassium-chloride cotransport when activated by cell swelling. May contribute to cell volume homeostasis in single cells. May be involved in the regulation of basolateral Cl(-) exit in NaCl absorbing epithelia (By similarity). Isoform 4 has no transport activity.