

SLC12A2 / NKCC1 Antibody (clone 5H7)
Mouse Monoclonal Antibody
Catalog # ALS14515**Specification**

SLC12A2 / NKCC1 Antibody (clone 5H7) - Product Information

Application	IHC
Primary Accession	P55011
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	131kDa KDa

SLC12A2 / NKCC1 Antibody (clone 5H7) - Additional Information**Gene ID** 6558**Other Names**

Solute carrier family 12 member 2, Basolateral Na-K-Cl symporter, Bumetanide-sensitive sodium-(potassium)-chloride cotransporter 1, SLC12A2, NKCC1

Target/Specificity

Human SLC12A2 / NKCC1

Reconstitution & Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

SLC12A2 / NKCC1 Antibody (clone 5H7) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC12A2 / NKCC1 Antibody (clone 5H7) - Protein Information**Name** SLC12A2**Function**

Cation-chloride cotransporter which mediates the electroneutral transport of chloride, potassium and/or sodium ions across the membrane (PubMed:32081947, PubMed:33597714, PubMed:32294086, PubMed:7629105, PubMed:16669787). Plays a vital role in the regulation of ionic balance and cell volume (PubMed:32081947, PubMed:32294086, PubMed:7629105, PubMed:16669787).

Cellular Location

Basolateral cell membrane; Multi-pass membrane protein

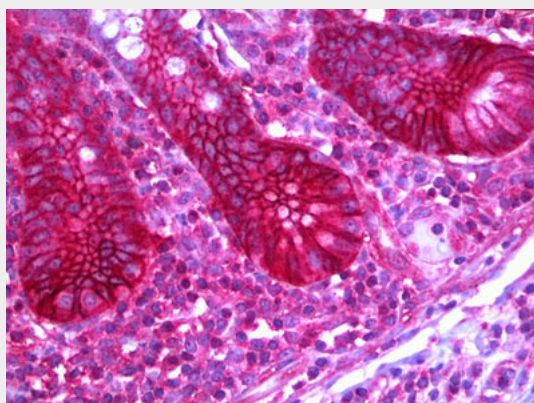
Tissue Location

Expressed in many tissues.

SLC12A2 / NKCC1 Antibody (clone 5H7) - 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](#)

SLC12A2 / NKCC1 Antibody (clone 5H7) - Images

Anti-SLC12A2 / NKCC1 antibody IHC of human small intestine.

SLC12A2 / NKCC1 Antibody (clone 5H7) - Background

Electrically silent transporter system. Mediates sodium and chloride reabsorption. Plays a vital role in the regulation of ionic balance and cell volume.

SLC12A2 / NKCC1 Antibody (clone 5H7) - References

Payne J.A., et al. J. Biol. Chem. 270:17977-17985(1995).
Vibat C.R., et al. Anal. Biochem. 298:218-230(2001).
Cantin G.T., et al. J. Proteome Res. 7:1346-1351(2008).
Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Cruz-Rangel S., et al. Am. J. Physiol. 301:C601-C608(2011).