

RecomAb™

SLC12A1 recombinant monoclonal antibody, clone R07-5D1

Catalog # RAB02058 Size 100 uL

Applications



Western Blot

Western blot analysis of HeLa lysates with SLC12A1 recombinant monoclonal antibody, clone R07-5D1 (Cat # RAB02058).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SLC12A1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human SLC12A1.
Theoretical MW (kDa)	Calculated MW: 121 k
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

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

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- **Western Blot**

Western blot analysis of Hela lysates with SLC12A1 recombinant monoclonal antibody, clone R07-5D1 (Cat # RAB02058).

Gene Info — SLC12A1

Entrez GeneID[6557](#)**Protein Accession#**[Q13621](#)**Gene Name**

SLC12A1

Gene Alias

BSC1, MGC48843, NKCC2

Gene Description

solute carrier family 12 (sodium/potassium/chloride transporters), member 1

Omim ID[600839](#) [601678](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The sodium-potassium-chloride cotransporter isoform 2 is kidney-specific and is found on the apical membrane of the thick ascending limb of Henle's loop and the macula densa. It accounts for most of the NaCl resorption with the stoichiometry of 1Na:1K:2Cl and is sensitive to such diuretics as furosemide and bumetanide. Some Bartter-like syndromes result from defects in this gene. [provided by RefSeq]

Other Designations

NKCC2A variant A|Na-K-2Cl cotransporter|sodium potassium chloride cotransporter 2

Disease

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- [Diabetes Mellitus](#)
- [Edema](#)
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- [Hyperparathyroidism](#)
- [Hypertension](#)