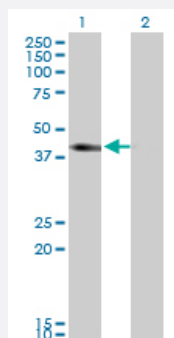


SLC12A1 monoclonal antibody (M03), clone 4H4

Catalog # H00006557-M03

Size 100 ug

Applications

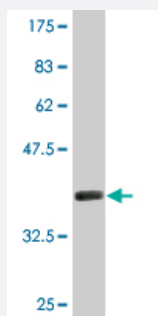


Western Blot (Transfected lysate)

Western Blot analysis of SLC12A1 expression in transfected 293T cell line by SLC12A1 monoclonal antibody (M03), clone 4H4.

Lane 1: SLC12A1 transfected lysate(46.5 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (35.97 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SLC12A1.
Immunogen	SLC12A1 (NP_000329.1, 80 a.a. ~ 172 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AKTDASFHAYDSHTNTYYLQTFGHNTMDAVPKIEYYRNTGSGPKVNRPSLLEIHEQLAKNVAVTPSSADRVANGDGIPGDEQAENKEDDQA
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Rat (91)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.97 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of SLC12A1 expression in transfected 293T cell line by SLC12A1 monoclonal antibody (M03), clone 4H4.

Lane 1: SLC12A1 transfected lysate(46.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SLC12A1

Entrez GeneID	6557
GeneBank Accession#	NM_000338
Protein Accession#	NP_000329.1
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

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)