

Datasheet for ABIN3197494

anti-SLC9A1 antibody**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	SLC9A1
Reactivity:	Arabidopsis thaliana, Mangrove
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC9A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH-conjugated synthetic peptide derived from Arabidopsis thaliana NHX protein Q68KI4, At5g27150
Cross-Reactivity (Details):	No cross-reactivity with: mangrove plants,
Characteristics:	Expected / apparent Molecular Weight of the Antigen: 59.5 / 45 kDa
Purification:	serum

Target Details

Target:	SLC9A1
Alternative Name:	NHE-1 (SLC9A1 Products)
Background:	AGI Code: At5g27150 Na(+)/H(+) exchanger 1 protein is involved in exchange of protons for cations such as sodium and potassium across membranes. Localized in tonoplast, possibly also to ER and Golgi.

Target Details

	Alternative name: NHE-1, Na(+)/H(+) exchanger 1
Molecular Weight:	expected: 59.5 kDa, apparent: 45 kDa
UniProt:	Q68KI4
Pathways:	Glycosaminoglycan Metabolic Process , Proton Transport

Application Details

Application Notes:	Recommended Dilution: 1 : 1000 with standard ECL (WB), 1 : 8000 (ELISA).
Comment:	Protein or membrane sample should be treated at 70°C for 10 min before loading on the gel. Diluted antibody solution can be used 2 to 3 times within one month if it contains 0.1 % sodium azide as preservative and is stored at -20°C to -80°C. Manufacture by Operon Biotechnologies.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	0.1 % sodium azide is added as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tubes.
Storage:	-20 °C

Publications

Product cited in:	Chen, Xiao, Wu, Dong, He, Pei, Zheng: "Nitric oxide enhances salt secretion and Na(+) sequestration in a mangrove plant, Avicennia marina, through increasing the expression of H(+)-ATPase and Na(+)/H(+) antiporter under high salinity." in: Tree physiology , Vol. 30, Issue 12, pp. 1570-85, (2010) (PubMed).
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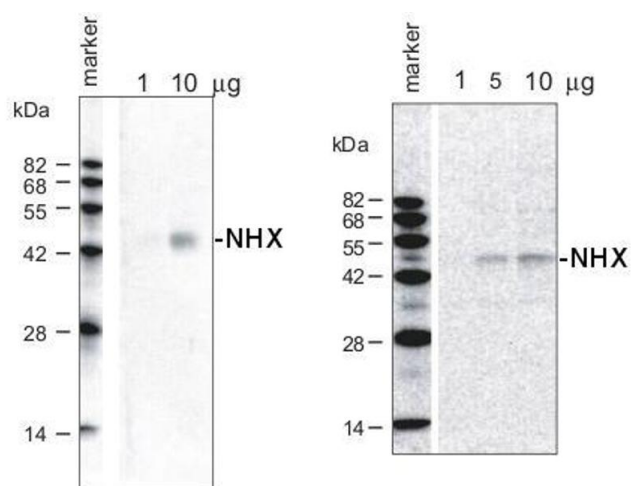


Image 1. 1µg and 10µg of crude membrane fraction/lane from *Arabidopsis thaliana* (left panel) and 1,5 and 10µg of crude membrane fraction/lane *Raphanus sativus* L. (right panel) were separated on 12 % SDS-PAGE and blotted 1h to PVDF membrane (40 min. at 10 V using BioRad semidry transfer). Filters were blocked 1h with 5 % low-fat milk powder in TBS-T (0.05% Triton X.100). Membranes were washed 5 times with TBS-T, each time in a fresh polystyrene box and probed with anti-NHX antibodies (ABIN349668, 1:1000, 1h) and secondary anti-rabbit (1:2000, 1 h). All steps were performed in RT with agitation.