# NHE-9 Rabbit pAb

CatalogNo: YT3120

## Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,ELISA

MW
- 65kD (Observed)

Isotype
- IgG

## Recommended Dilution Ratios

**WB 1:500-1:2000**
**ELISA 1:40000**
**Not yet tested in other applications.**

## Storage

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|---|---|
| **Storage*** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |

## Basic Information

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|---|---|
| **Clonality** | Polyclonal |

## Immunogen Information

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|---|---|
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human SLC9A9. AA range:171-220 |
| **Specificity** | NHE-9 Polyclonal Antibody detects endogenous levels of NHE-9 protein. |

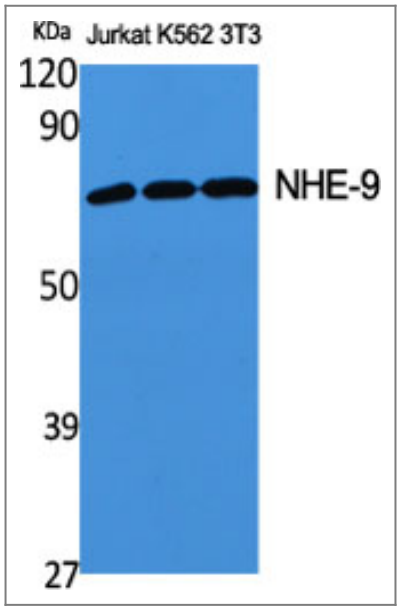
## Target Information

| | |
|---|---|
| **Gene name** | SLC9A9 |
| **Protein Name** | Sodium/hydrogen exchanger 9 |

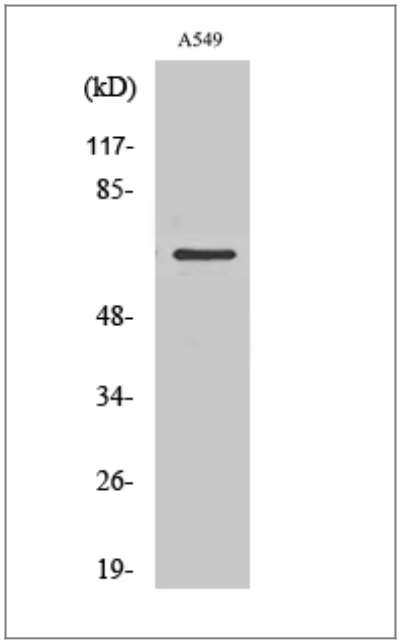
| Organism | Gene ID | UniProt ID |
|---|---|---|
| Human | 285195; | Q8IVB4; |
| Mouse | 331004; | Q8BZ00; |

| | |
|---|---|
| **Cellular Localization** | Late endosome membrane ; Multi-pass membrane protein . |
| **Tissue specificity** | Ubiquitously expressed in all tissues tested. Expressed at highest levels in heart and skeletal muscle, followed by placenta, kidney, and liver. Expressed in the brain, in the medulla and spinal cord. |
| **Function** | Disease:A chromosomal aberration involving SLC9A9 may be a cause of early-onset behavioral/developmental disorder with features of attention deficit-hyperactivity disorder and intellectual disability (ADHD) [MIM:143465]. Inversion inv(3)(p14:q21). The inversion disrupts SLC9A9 and DOCK3.,Function:May act in electroneutral exchange of protons for Na(+) across membranes. Involved in the effusion of Golgi luminal H(+) in exchange for cytosolic cations. Involved in organelle ion homeostasis by contributing to the maintainance of the unique acidic pH values of the Golgi and post-Golgi compartments in the cell.,similarity:Belongs to the monovalent cation:proton antiporter 1 (CPA1) transporter (TC 2.A.36) family.,tissue specificity:Ubiquitously expressed in all tissues tested. Expressed at highest levels in heart and skeletal muscle, followed by placenta, kidney, and liver. Expressed in the brain, in the medulla and spinal cord., |

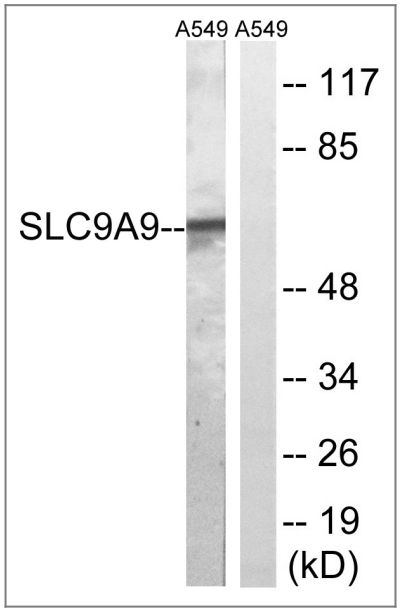
## Validation Data




Western Blot analysis of various cells using NHE-9 Polyclonal Antibody




Western Blot analysis of RAW264.7 cells using NHE-9 Polyclonal Antibody




Western blot analysis of lysates from A549 cells, using SLC9A9 Antibody. The lane on the right is blocked with the synthesized peptide.

## Contact information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Please scan the QR code to access additional product information:
**NHE-9 Rabbit pAb**