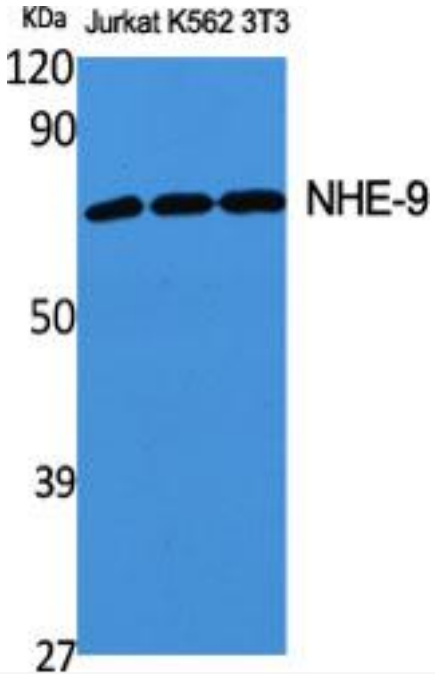
NHE-9 Monoclonal Antibody

Catalog No	BYmab-16485
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	SLC9A9
Protein Name	Sodium/hydrogen exchanger 9
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC9A9. AA range:171-220
Specificity	NHE-9 Monoclonal Antibody detects endogenous levels of NHE-9 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SLC9A9; NHE9; Nbla00118; Sodium/hydrogen exchanger 9; Na(+)/H(+) exchanger 9; NHE-9; Solute carrier family 9 member 9
Observed Band	65kD
Cell Pathway	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 bra
Background	This gene encodes a sodium/proton exchanger that is a member of the solute carrier 9 protein family. The encoded protein localizes the to the late recycling endosomes and may play an important role in maintaining cation homeostasis. Mutations in this gene are associated with autism susceptibility 16 and attention-deficit/hyperactivity disorder. [provided by RefSeq, Mar 2012],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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