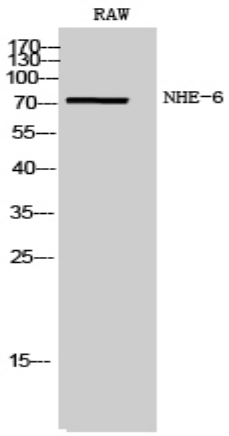
Immunoway
Best Tools for immunology Research

NHE-6 Polyclonal Antibody

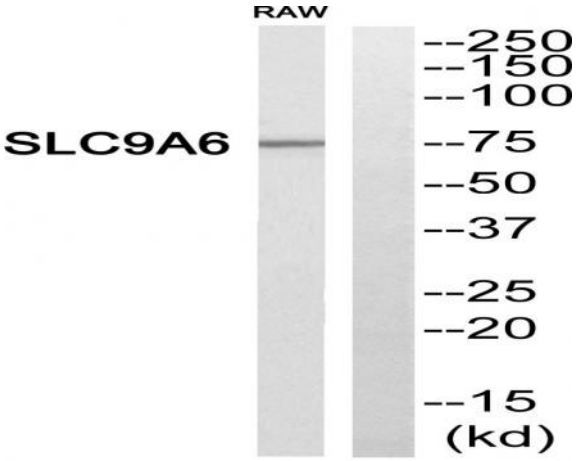
Catalog No :	YT3117
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	NHE-6
Fields :	>>Cardiac muscle contraction
Gene Name :	SLC9A6
Protein Name :	Sodium/hydrogen exchanger 6
Human Gene Id :	10479
Human Swiss Prot No :	Q92581
Immunogen :	The antiserum was produced against synthesized peptide derived from human SLC9A6. AA range:551-600
Specificity :	NHE-6 Polyclonal Antibody detects endogenous levels of NHE-6 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	75kD

Cell Pathway :	Cardiac muscle contraction;
Background :	This gene encodes a sodium-hydrogen exchanger that is amember of the solute carrier family 9. The encoded protein localizes to early and recycling endosomes and may be involved in regulating endosomal pH and volume. Defects in this gene are associated with X-linked syndromic mental retardation, Christianson type. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010],
Function :	caution:Was initially identified as a mitochondrial inner membrane protein (PubMed:9507001), but was later shown to be localized in early and recycling endosomes and not mitochondria (PubMed:11940519).,disease:Defects in SLC9A6 are the cause of mental retardation syndromic X-linked Christianson type (MRXSC) [MIM:300243]; also known as MRXS-Christianson or X-linked Angelman-like syndrome. The phenotype is characterized by profound mental retardation, epilepsy, ataxia, and microcephaly, and showed phenotypic overlap with Angelman syndrome.,function:Electroneutral exchange of protons for Na(+) and K(+) across the early and recycling endosome membranes. Contributes to calcium homeostasis.,similarity:Belongs to the monovalent cation:proton antiporter 1 (CPA1) transporter (TC 2.A.36) family.,subcellular location:Is present in the recycling compartments including early and recycling endosomes,
Subcellular Location :	Endosome membrane ; Multi-pass membrane protein . Is present in the recycling compartments including early and recycling endosomes, and only appears transiently on the plasma membrane.; [Isoform 2]: Recycling endosome membrane ; Multi-pass membrane protein .
Expression :	Ubiquitous; but is most abundant in mitochondrion-rich tissues such as brain, skeletal muscle and heart.
Sort :	10838
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

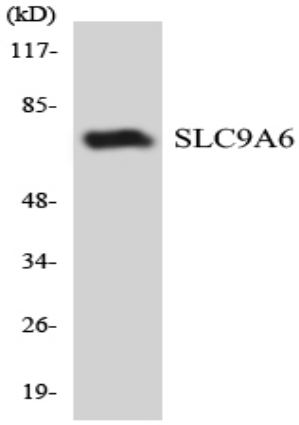
Products Images



Western Blot analysis of RAW cells using NHE-6 Polyclonal Antibody



Western blot analysis of SLC9A6 Antibody. The lane on the right is blocked with the SLC9A6 peptide.



Western blot analysis of the lysates from COLO205 cells using SLC9A6 antibody.