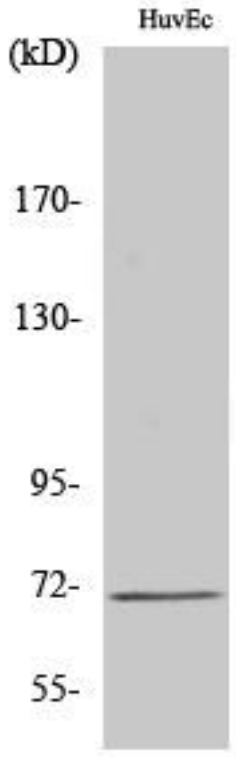
SLC6A8 Monoclonal Antibody

Catalog No	BYmab-12808
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC6A8
Protein Name	Sodium- and chloride-dependent creatine transporter 1
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC6A8. AA range:581-630
Specificity	SLC6A8 Monoclonal Antibody detects endogenous levels of SLC6A8 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	SLC6A8; Sodium- and chloride-dependent creatine transporter 1; CT1; Creatine transporter 1; Solute carrier family 6 member 8
Observed Band	70kD
Cell Pathway	Membrane; Multi-pass membrane protein.
Tissue Specificity	Predominantly expressed in skeletal muscle and kidney. Also found in brain, heart, colon, testis and prostate.
Function	disease:Defects in SLC6A8 are the cause of X-linked creatine deficiency syndrome [MIM:300352]. X-linked creatine deficiency syndrome causes developmental delay, hypotonia, mental retardation, seizures, short stature and midface hypoplasia.,function:Required for the uptake of creatine in muscles and brain.,similarity:Belongs to the sodium:neurotransmitter symporter (SNF) family.,tissue specificity:Predominantly expressed in skeletal muscle and kidney. Also found in brain, heart, colon, testis and prostate.,
Background	The protein encoded by this gene is a plasma membrane protein whose function is to transport creatine into and out of cells. Defects in this gene can result in

	X-linked creatine deficiency syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008],
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 SLC6A8 Monoclonal Antibody