



ZIP1 Monoclonal Antibody

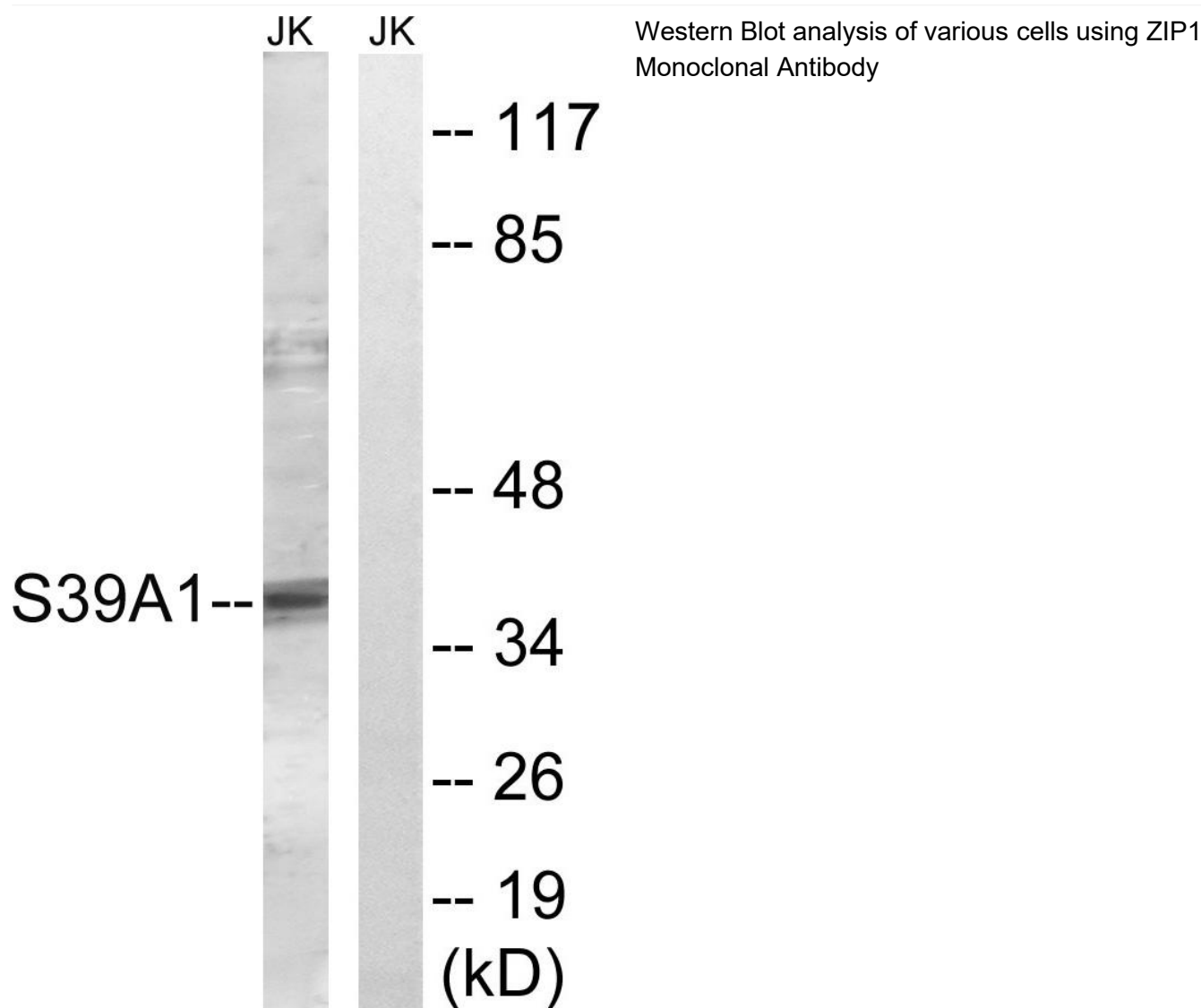
Catalog No	BYmab-04272
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	SLC39A1
Protein Name	Zinc transporter ZIP1
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC39A1. AA range:111-160
Specificity	ZIP1 Monoclonal Antibody detects endogenous levels of ZIP1 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	SLC39A1; IRT1; ZIP1; ZIRTL; CGI-08; CGI-71; Zinc transporter ZIP1; Solute carrier family 39 member 1; Zinc-iron-regulated transporter-like; Zrt- and Irt-like protein 1; ZIP-1; hZIP1
Observed Band	38kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Shows a vesicular localization corresponding partially to the endoplasmic reticulum in several epithelial cell lines.
Tissue Specificity	Ubiquitous. Expressed in most adult and fetal tissues including the epidermis.
Function	function:Mediates zinc uptake. May function as a major endogenous zinc uptake transporter in many cells of the body. Responsible for the rapid uptake and accumulation of physiologically effective zinc in prostate cells.,miscellaneous:Inhibited by Ni(2+) ions. Fe(2+) ions do not inhibit zinc uptake.,similarity:Belongs to the ZIP transporter (TC 2.A.5) family.,subcellular location:Shows a vesicular localization corresponding partially to the endoplasmic reticulum in several epithelial cell lines.,tissue specificity:Ubiquitous. Expressed in most adult and fetal tissues including the epidermis.,

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Background	This gene encodes a member of the zinc-iron permease family. The encoded protein is localized to the cell membrane and acts as a zinc uptake transporter. This gene has been linked to prostate cancer, breast cancer, and Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 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.

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