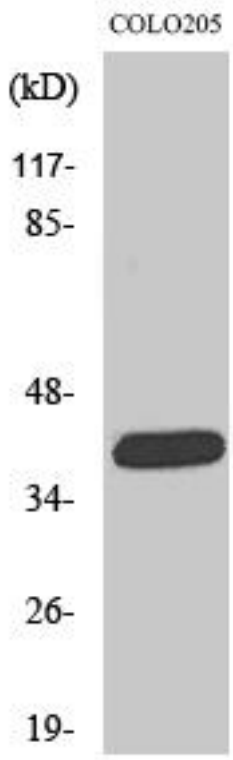
ORCTL2 Monoclonal Antibody

Catalog No	BYmab-16493
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	SLC22A18
Protein Name	Solute carrier family 22 member 18
Immunogen	The antiserum was produced against synthesized peptide derived from human ORCTL-2. AA range:359-408
Specificity	ORCTL2 Monoclonal Antibody detects endogenous levels of ORCTL2 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	SLC22A18; BWR1A; BWSCR1A; HET; IMPT1; ITM; ORCTL2; SLC22A1L; TSSC5; Solute carrier family 22 member 18; Beckwith-Wiedemann syndrome chromosomal region 1 candidate gene A protein; Efflux transporter-like protein; Imprinted multi-membrane-spa
Observed Band	43kD
Cell Pathway	Apical cell membrane ; Multi-pass membrane protein . Localized at the apical membrane surface of renal proximal tubules. .
Tissue Specificity	Expressed at high levels in adult and fetal kidney and liver, and adult colon. Expressed in fetal renal proximal tubules (at protein level). Expressed at lower levels in heart, brain and lung.
Function	caution:It is uncertain whether Met-1 or Met-17 is the initiator.,disease:Defects in SLC22A18 are associated with breast cancer [MIM:114480].,disease:Defects in SLC22A18 are associated with lung cancer [MIM:211980].,disease:Defects in SLC22A18 are the cause of rhabdomyosarcoma type 1 (RMS1) [MIM:268210]. Rhabdomyosarcoma is a malignant tumor (sarcoma) derived from striated muscle.,function:May act as a transporter of organic cations based on a proton

	efflux antiport mechanism. May play a role in the transport of chloroquine and quinidine-related compounds in kidney.,similarity:Belongs to the major facilitator superfamily. Organic cation transporter family.,subcellular location:Localized at the apical membrane surface of renal proximal tubules.,subunit:Interacts with RNF167.,tissue specificity:Expressed at high levels in adult and fetal kidney and liver, and adult colon. Expressed in feta
Background	This gene is one of several tumor-suppressing subtransferable fragments located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene is imprinted, with preferential expression from the maternal allele. Mutations in this gene have been found in Wilms' tumor and lung cancer. This protein may act as a transporter of organic cations, and have a role in the transport of chloroquine and quinidine-related compounds in kidney. Several alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Oct 2015],
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 ORCTL2 Monoclonal Antibody