产品名称：ORCTL2 Rabbit Polyclonal Antibody
产品货号：APRab15501

产品概述（Summary）

产品名称（Production Name）	ORCTL2 Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,ICC/IF,ELISA
种属反应性（Reactivity）	Human,Rat,Mouse

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	SLC22A18
别名（Alternative Names）	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
基因 ID（Gene ID）	5002.0
蛋白 ID（SwissProt ID）	Q96BI1.The antiserum was produced against synthesized peptide derived from human ORCTL-2. AA range:359-408

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000

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蛋白分子量（Molecular Weight） 43kDa

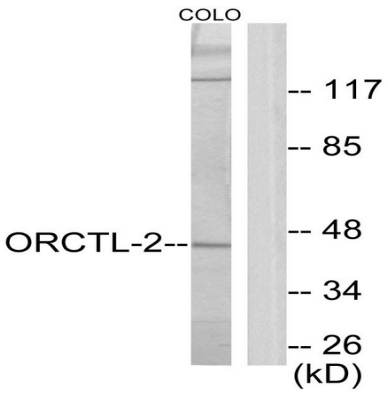
研究背景（Background）

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],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 fetal renal proximal tubules (at protein level). Expressed at lower levels in heart, brain and lung.,

研究领域（Research Area）

Signal Transduction; Metabolism; Plasma Membrane; Channels

图片（Image Data）



Western blot analysis of lysates from COLO205 cells, using ORCTL-2 Antibody. The lane on the right is blocked with the synthesized peptide.

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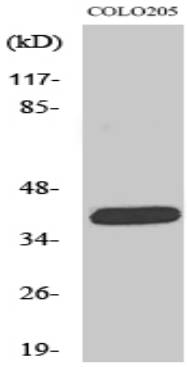

Western Blot analysis of various cells using ORCTL2 Polyclonal Antibody

注意事项（Note）

For research use only .