

KB519

For research use only

## Anti Human RSC1A1 Polyclonal Antibody

**Code No.** KB519  
**Target** RSC1A1  
**Category** Transporter  
**Gene ID** 6248  
**Primary Source** HGNC:10458  
**Synonyms** RS1; RSC1A1

**Type** Polyclonal Antibody  
**Immunogen** Recombinant protein of full length Human RSC1A1

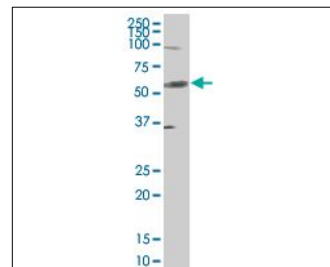
**Raised in** Mouse  
**Myeloma** -  
**Clone number** -  
**Purification** Protein A purified  
**Source** Mouse Serum  
**Isotype** -  
**Cross Reactivity** -  
**Label** Unlabeled  
**Concentration** 0.5 mg/mL  
**Contents (Volume)** 50 µg  
**Buffer** PBS, pH 7.2

**Storage** Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

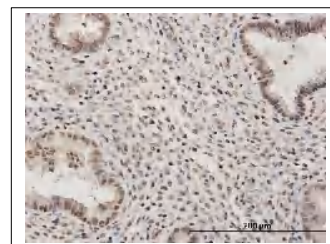
**Application** WB, IHC, IF

ELISA	WB	IHC	ICC
-	1.0	3.0	-
IP	FCM	IF	Neutralization
-	-	10	-

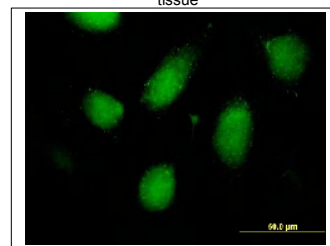
(µg/mL)



[WB] RSC1A1 transfected 293T cell lysate



[IHC] Paraffin embedded human endometrium tissue



[IF] HeLa cell

## Reference

1. Lambotte S., et al. "The human gene of a protein that modifies Na(+)-D-glucose co-transport." DNA Cell Biol. 15:769-777(1996)
2. Ota T., et al. "Complete sequencing and characterization of 21,243 full-length human cDNAs." Nat. Genet. 36:40-45(2004)
3. Gregory S.G., et al. "The DNA sequence and biological annotation of human chromosome 1." Nature 441:315-321(2006)

## UniProt Summary

//Function: Mediates transcriptional and post-transcriptional regulation of SLC5A1. Inhibits a dynamin and PKC-dependent exocytotic pathway of SLC5A1. Also involved in transcriptional regulation of SLC22A2. Exhibits glucose-dependent, short-term inhibition of SLC5A1 and SLC22A2 by inhibiting the release of vesicles from the trans-Golgi network.

//Subcellular location: Cell membrane. Nucleus. Golgi apparatus › trans-Golgi network. Note: Localizes at the inner side of the plasma membrane.

//Tissue specificity: Expressed in small intestine, kidney and brain.

//Sequence similarities: Contains 1 UBA domain.