

Product datasheet for **TA385554M**

VPS4A Rabbit Monoclonal Antibody [Clone ID: R01-9H9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R01-9H9
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1/2000-1/10000 IHC: 1/500 ICC/IF: 1/100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human VPS4a
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 49 kDa; Observed MW: 49 kDa
Gene Name:	vacuolar protein sorting 4 homolog A
Database Link:	Entrez Gene 27183 Human Q9UN37

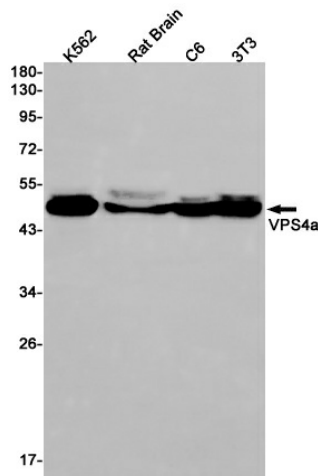

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Background:

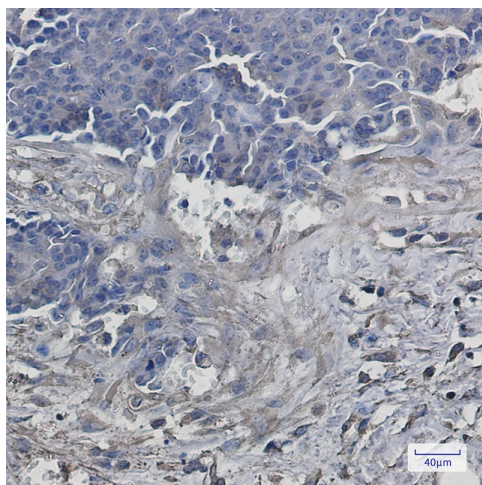
Swiss-Prot Acc.Q9UN37. Involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly, possibly in combination with membrane fission. Redistributes the ESCRT-III components to the cytoplasm for further rounds of MVB sorting. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. In conjunction with the ESCRT machinery also appears to function in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and enveloped virus budding (HIV-1 and other lentiviruses). Involved in cytokinesis: retained at the midbody by ZFYVE19/ANCHR and CHMP4C until abscission checkpoint signaling is terminated at late cytokinesis. It is then released following dephosphorylation of CHMP4C, leading to abscission (PubMed:24814515). VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413).

Synonyms:

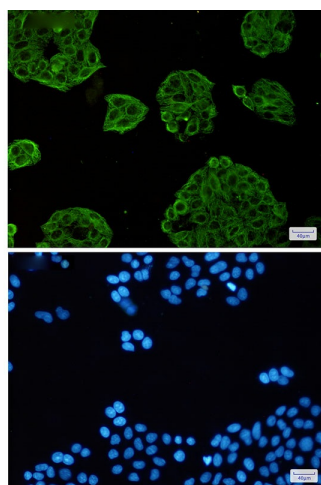
FLJ22197; hVPS4; SKD1; SKD1-homolog; SKD1A; SKD2; VPS4; VPS4-1

Product images:


Western blot analysis of VPS4a in K562, rat Brain, C6, 3T3 lysates using VPS4A antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using VPS4a antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of VPS4a(green) in Hela using VPS4a antibody, and DAPI(blue)