

Product Name: KD-Validated PASK Mouse Monoclonal Antibody**Catalog #: KVA00294**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 142.9kDa

Antigen Information

Gene Name	PASK PASK; PAS Domain Containing Serine/Threonine Kinase; PASKIN; KIAA0135; STK37; PAS
Alternative Names	Domain-Containing Serine/Threonine-Protein Kinase; Per-Arnt-Sim (PAS) Domain Kinase; EC 2.7.11.1; PAS-Kinase; HPASK
Gene ID	23178.0
SwissProt ID	Q96RG2
Immunogen	Recombinant protein of human PASK

Background

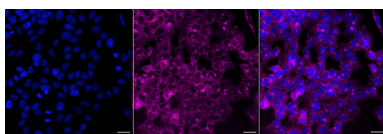
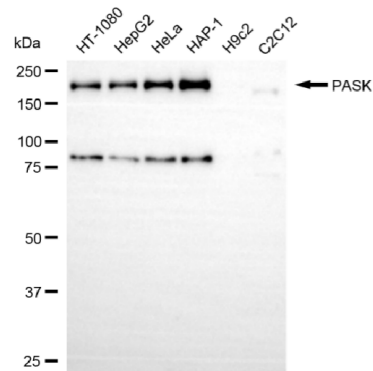
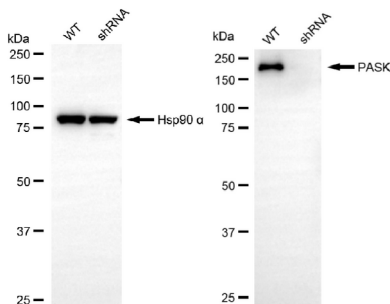
This gene encodes a member of the serine/threonine kinase family that contains two PAS domains. Expression of this gene is regulated by glucose, and the encoded protein plays a role in the regulation of insulin gene expression. Downregulation of this

gene may play a role in type 2 diabetes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

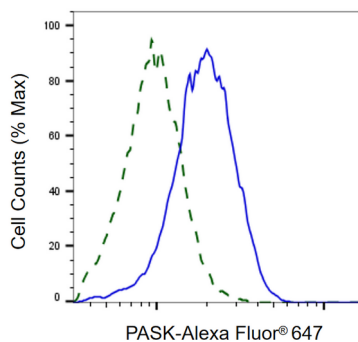
Research Area

Signal Transduction

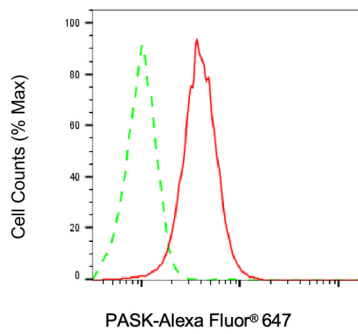
Image Data



Immunocytochemical staining of HAP-1 cells with PASK antibody (KVA00294, 1:1,000). Nuclei were stained blue with DAPI; PASK was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar, 20 µm.



Validation of PASK knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with PASK antibody (KVA00294, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of PASK expression in HAP-1 cells using PASK antibody (KVA00294, 1:2,000). Green, isotype control; red, PASK.