

Product Name: KD-Validated IQGAP2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAAb01327

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit 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 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 180.6kDa

Antigen Information

Gene Name	IQGAP2
Alternative Names	IQGAP2; IQ Motif Containing GTPase Activating Protein 2; Ras GTPase-Activating-Like Protein IQGAP2
Gene ID	10788.0
SwissProt ID	Q13576
Immunogen	A synthesized peptide derived from human IQGAP2

Background

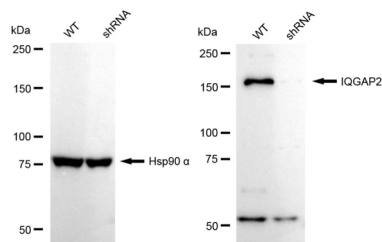
This gene encodes a member of the IQGAP family. The encoded protein contains three IQ domains, one calponin homology domain, one Ras-GAP domain and one WW domain. This protein interacts with components of the cytoskeleton, with cell adhesion molecules, and with several signaling molecules to regulate cell morphology and motility. It also acts as a tumor

suppressor and has been found to play a role in regulating innate antiviral responses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017]

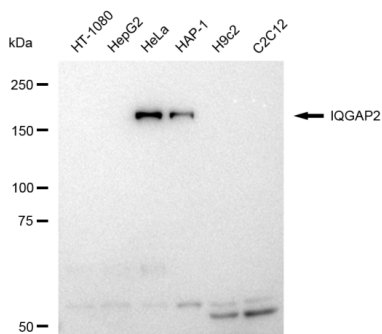
Research Area

Signal Transduction

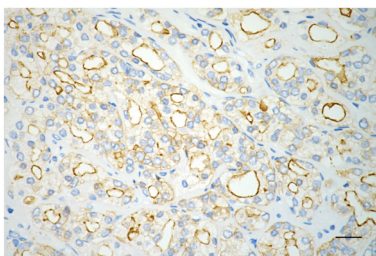
Image Data



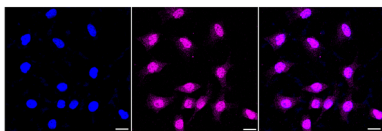
Western blotting analysis using IQGAP2 antibody (KVA01327). IQGAP2 expression in wild type (WT) and IQGAP2 shRNA knockdown (KD) 293T cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with IQGAP2 antibody (KVA01327, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



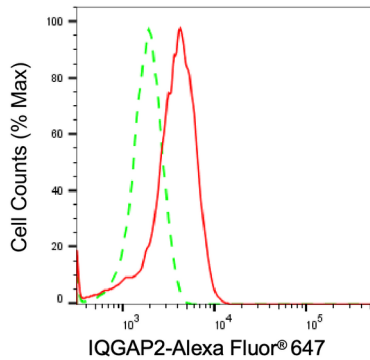
Western blotting analysis using IQGAP2 antibody (KVA01327). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with IQGAP2 antibody (KVA01327, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human prostatic adenocarcinoma using IQGAP2 antibody (KVA01327, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HeLa cells with IQGAP2 antibody (KVA01327, 1:1,000). Nuclei were stained blue with DAPI; IQGAP2 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.



Flow cytometric analysis of IQGAP2 expression in HeLa cells using IQGAP2 antibody (KVA01327, 1:2,000). Green, isotype control; red, IQGAP2.