

Anti-IQGAP2 Antibody [JE64-54]

HA721041



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	WB, IHC-P
Molecular Wt:	Predicted band size: 181 kDa
Clone number:	JE64-54

Description: 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.

Immunogen: Recombinant protein within human IQGAP2 aa 1,301-1,500/1,575.

Positive control: Human placenta tissue lysates, human gallbladder tissue, human prostate tissue.

Subcellular location: Actin cytoskeleton, microtubule, cytosol, extracellular exosome, plasma membrane, cell surface, cytoplasm, filopodium, lamellipodium, microvillus, secretory granule membrane

Database links: SwissProt: Q13576 Human

Recommended Dilutions:

WB	1:500
IHC-P	1:100

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou HuaAn Biotechnology Co.,Ltd.

Orders: 0086-571-88062880

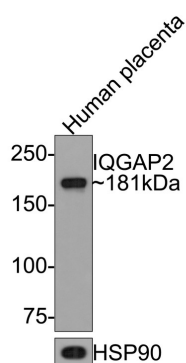
Technical:0086-571-89986345

Service mail: support@huabio.cn

www.huabio.cn



Fig1: Western blot analysis of IQGAP2 on human placenta tissue lysates with Rabbit anti-IQGAP2 antibody (HA721041) at 1/500 dilution.



Lysates/proteins at 20 µg/Lane.

Predicted band size: 181 kDa

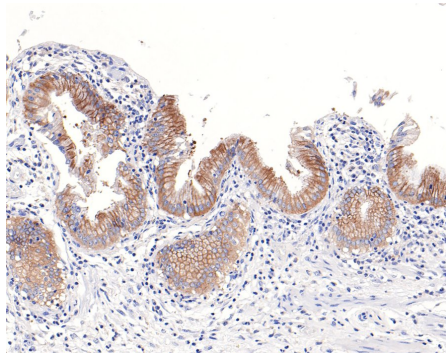
Observed band size: 181 kDa

Exposure time: 2 minutes;

6% SDS-PAGE gel.

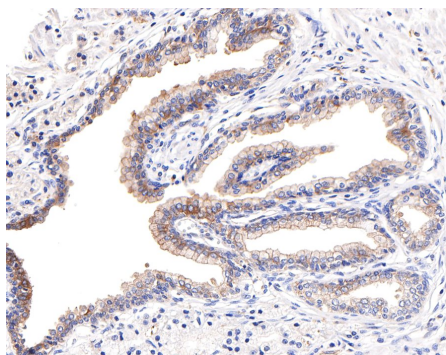
Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (HA721041) at 1/500 dilution was used in 5% NFDN/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:300,000 dilution was used for 1 hour at room temperature.

Fig2: Immunohistochemical analysis of paraffin-embedded human gallbladder tissue with Rabbit anti-IQGAP2 antibody (HA721041) at 1/100 dilution.



The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (HA721041) at 1/100 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX

Fig3: Immunohistochemical analysis of paraffin-embedded human prostate tissue with Rabbit anti-IQGAP2 antibody (HA721041) at 1/100 dilution.



The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (HA721041) at 1/100 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

Background References

1. de Ligt J., et al. Diagnostic exome sequencing in persons with severe intellectual disability. *N. Engl. J. Med.* 367:1921-1929(2012).
2. Kumar D, et al. Reduced expression of IQGAP2 and higher expression of IQGAP3 correlates with poor prognosis in cancers. *PLoS One.* 2017 Oct 26;12(10):e0186977.

Hangzhou HuaAn Biotechnology Co.,Ltd.

Orders: 0086-571-88062880

Technical:0086-571-89986345

Service mail: support@huabio.cn

www.huabio.cn



Applications: WB=Western blot IP=Immunoprecipitation IHC=Immunohistochemistry IF=Immunofluorescence FC=Flow cytometry