

IQGAP1 Monoclonal antibody

Catalog Number: 68588-1-Ig

Basic Information

Catalog Number:

68588-1-Ig

Concentration:

500 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG19321

GenBank Accession Number:

BC151834

GeneID (NCBI):

8826

ENSEMBL Gene ID:

ENSG00000140575

UNIPROT ID:

P46940

Full Name:

IQ motif containing GTPase activating protein 1

Calculated MW:

189 kDa

Observed MW:

190-195 kDa

Purification Method:

Protein G purification

CloneNo.:

2E11A2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, A549 cells, LNCaP cells, MCF-7 cells, HeLa cells, HepG2 cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

IHC : human skin cancer tissue,

Background Information

IQGAP1 is a member of a family of scaffolding proteins that interact with signaling and structural molecules. It localizes to sites of cell-cell contact in epithelial cells and regulates distinct cellular processes including cell adhesion, cell migration, extracellular signals through interacting with numerous protein. Multiple studies have shown that IQGAP1 is up-regulated in many human malignancies, such as lung cancer, ovarian cancer, colon cancer, breast cancer, melanoma and HCC. And IQGAP1 plays a critical role in cancer cell invasion.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

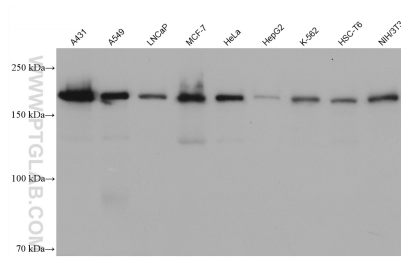
T: 4006900926

E: Proteintech-CN@ptglab.com

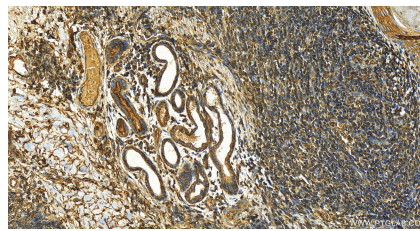
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68588-1-Ig (IQGAP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 68588-1-Ig (IQGAP1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).