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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Phosphatidic Acid Phosphatase 2B . Rabbit Antigen Immunoaffinity Purified Polyclonal

PAP2B

Background

Vascular endothelial growth factor and type I collagen inducible protein (VCIP), also known as phosphatidic acid phosphatase 2b (PAP2b), was originally identified in a functional assay of angiogenesis. VCIP/PAP2b exhibits an Arg–Gly–Asp (RGD) cell adhesion sequence. Immunoprecipitation and fluorescence-activated cell sorting analyses demonstrated that VCIP-RGD is exposed to the outside of the cell surface. Retroviral transduction of VCIP can induce cell aggregation and cell– cell interactions, modestly increase p120 catenin expression and promote activation of the Fak, Akt and GSK3ß protein kinases. Expression of VCIP promoted adhesion, spreading and tyrosine phosphorylation of Fak, Shc, Cas and paxillin in endothelial cells. PAP2b/VCIP is expressed in close proximity to vascular endothelial growth factor, von Willebrand factor and {alpha}vß3 integrin in tumor vasculatures.

Ordering Information

Catalog Number
X1651P

Size
10 Miniblots

Form
Unconjugated

Host/Clone
Rabbit

Formulation
Provided as solution in phosphate buffered saline with 0.08% sodium azide

Concentration
Lot specific, see vial

Isotype
IgG

Applications
Western Blot, Enzyme Immunoassay

Species Reactivity
Human, Mouse, Rat

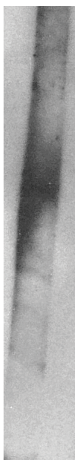
Accession Number

Human	O14495

Immunogen

Synthetic peptide derived from the phosphatidic acid phosphatase 2B protein

Western blot analysis using PAP2B antibody on human brain lysate.



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Positive Control/Tissue Expression

Human brain lysate (Cat. No. X1633C)

Comments

Antibody can be used for Western blotting (see vial for dilution) and EIA. Optimal concentration should be evaluated by serial dilutions.

Purification

Antigen Immunoaffiinity Purification

Ship Conditions

Ship on dry ice, freeze upon arrival

Storage Customer

Product should be stored at -70ºC. Aliquot to avoid freeze/thaw cycles

Stability

Products are stable for one year from purchase when stored properly

References

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[2] Roberts R., Sciorra V.A., Morris A.J.; Human type 2 phosphatidic acid phosphohydrolases. Substrate specificity of the type 2a, 2b, and 2c enzymes and cell surface activity of the 2a isoform.; J. Biol. Chem. 273:22059-22067(1998).

[3] Humtsoe J.O., Feng S., Thakker G.D., Yang J., Hong J., Wary K.K.; Regulation of cell-cell interactions by phosphatidic acid phosphatase 2b/VCIP.; EMBO J. 22:1539-1554(2003).

[4] Leung D.W., Tompkins C.K.; Molecular cloning of and expression of an isoform of human phosphatidic acid phosphatase cDNA.; Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.

[5] Yu W., Andersson B., Worley K.C., Muzny D.M., Ding Y., Liu W., Ricafrente J.Y., Wentland M.A., Lennon G., Gibbs R.A.; Large-scale concatenation cDNA sequencing.;
Genome Res. 7:353-358(1997).

[6] Strausberg R.L., et al Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.; Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).

[7] Burnett C., Makridou P., Hewlett L., Howard K.; Lipid phosphate phosphatases dimerise, but this interaction is not required for in vivo activity.; BMC Biochem. 5:2-2(2004).

Product Specific References

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