




Product datasheet

Anti-VPS34 antibody ab233437

6 Images

Overview

Product name	Anti-VPS34 antibody
Description	Rabbit polyclonal to VPS34
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human, Pig Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human VPS34 aa 600 to the C-terminus. Expressed in E.coli. Database link: Q8NEB9  Run BLAST with  Run BLAST with
Positive control	WB: Recombinant human VPS34 protein; HeLa cell lysate; Pig brain lysate. IHC-P: Human breast cancer, brain, liver and pancreas tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab233437 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 102 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

Function

Catalytic subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate. Involved in the transport of lysosomal enzyme precursors to lysosomes. Required for the abscission step in cytokinesis.

Tissue specificity

Ubiquitously expressed, with a highest expression in skeletal muscle.

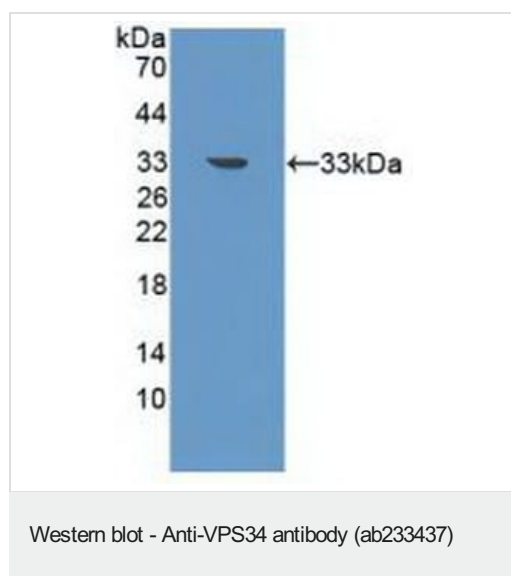
Sequence similarities

Belongs to the PI3/PI4-kinase family.
Contains 1 PI3K/PI4K domain.

Cellular localization

Midbody.

Images

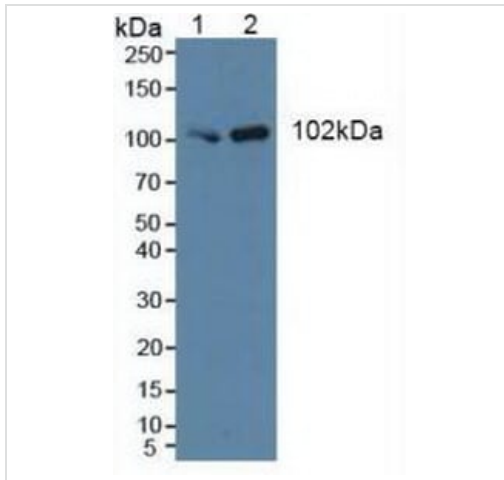


Anti-VPS34 antibody (ab233437) at 3 µg/ml + Recombinant human VPS34 protein

Secondary

HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

Predicted band size: 102 kDa



Western blot - Anti-VPS34 antibody (ab233437)

All lanes : Anti-VPS34 antibody (ab233437) at 3 $\mu\text{g/ml}$

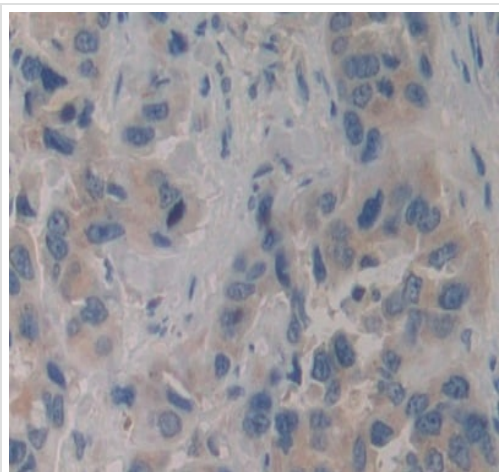
Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

Lane 2 : Pig brain lysate

Secondary

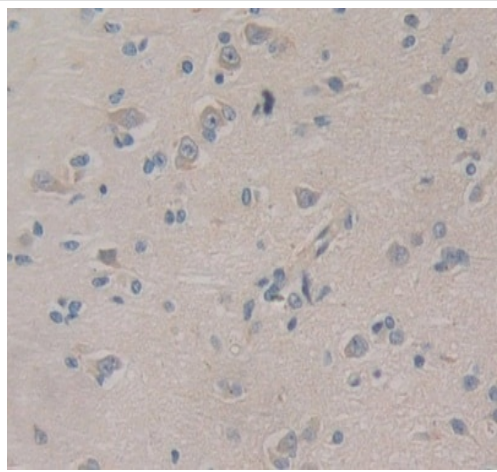
All lanes : HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

Predicted band size: 102 kDa



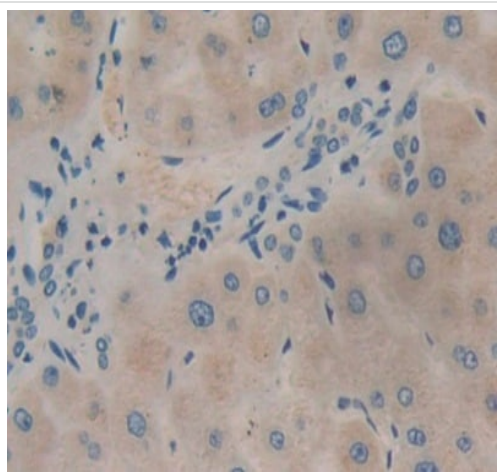
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VPS34 antibody (ab233437)

Formalin-fixed, paraffin-embedded human breast cancer tissue stained for VPS34 using ab233437 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



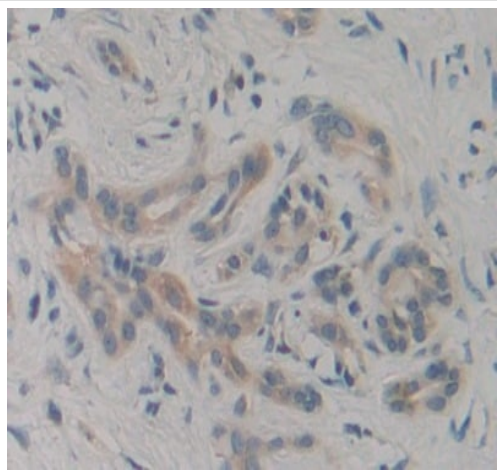
Formalin-fixed, paraffin-embedded human cerebrum tissue stained for VPS34 using ab233437 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VPS34 antibody (ab233437)



Formalin-fixed, paraffin-embedded human liver tissue stained for VPS34 using ab233437 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VPS34 antibody (ab233437)



Formalin-fixed, paraffin-embedded human pancreatic cancer tissue stained for VPS34 using ab233437 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VPS34 antibody (ab233437)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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