


Product datasheet

Anti-P97/DAP5 antibody ab97302

★★★★★ [2 Abreviews](#) [1 References](#) [7 Images](#)

Overview

Product name	Anti-P97/DAP5 antibody
Description	Rabbit polyclonal to P97/DAP5
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Cow 
Immunogen	Recombinant fragment corresponding to Human P97/DAP5 aa 1-204. Database link: P78344
Positive control	WB: A431 whole cell lysate. Mouse brain whole cell lysate. IHC-P: Cal27 xenograft, human skeletal muscle. Mouse hind brain tissue. IF/ICC: HeLa cell line.
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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 59.99% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab97302 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
ICC/IF		Use at an assay dependent concentration.
WB	★★★★★ (2)	1/500 - 1/3000. Predicted molecular weight: 102 kDa.
IHC-P		1/100 - 1/1000.

Target

Function

Appears to play a role in the switch from cap-dependent to IRES-mediated translation during mitosis, apoptosis and viral infection. Cleaved by some caspases and viral proteases.

Tissue specificity

Ubiquitously expressed in all adult tissues examined, with high levels in skeletal muscle and heart. Also expressed in fetal brain, lung, liver and kidney.

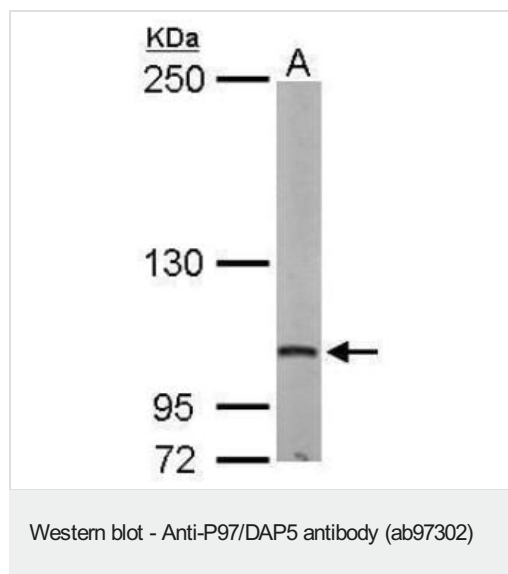
Sequence similarities

Belongs to the eIF4G family.
Contains 1 MI domain.
Contains 1 MIF4G domain.
Contains 1 W2 domain.

Post-translational modifications

Phosphorylation; hyperphosphorylated during mitosis.

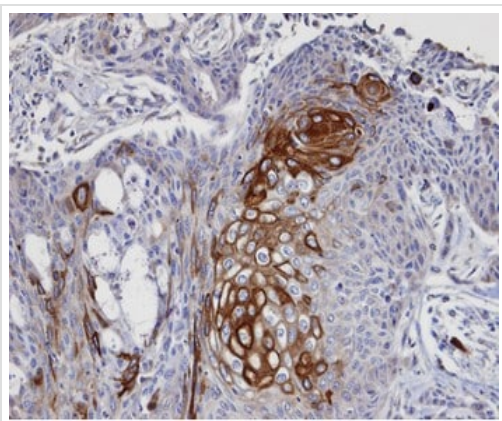
Images



Anti-P97/DAP5 antibody (ab97302) at 1/500 dilution + Mouse brain whole cell lysate at 50 µg

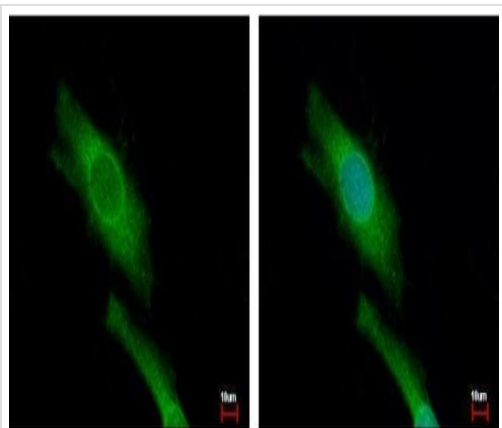
Predicted band size: 102 kDa

5% SDS PAGE



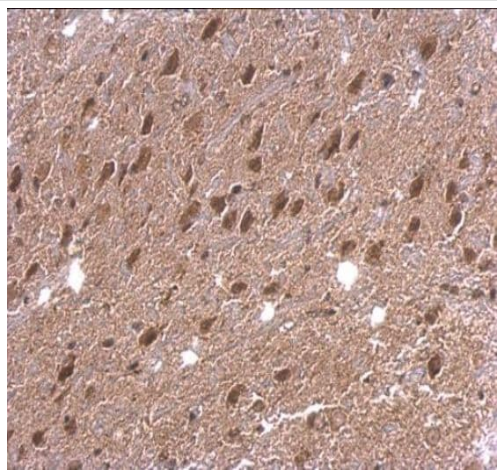
Immunohistochemical analysis of paraffin-embedded Cal27 xenograft using ab97302 at 1/100 dilution

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-P97/DAP5 antibody (ab97302)



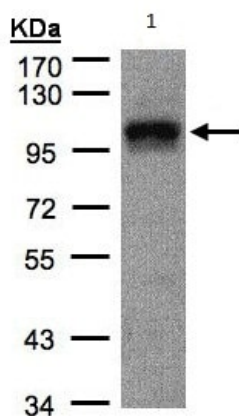
HeLa cells stained for EIF4G2 (green) using ab97302 at 1/500 dilution in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-P97/DAP5 antibody (ab97302)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-P97/DAP5 antibody (ab97302)

Paraffin embedded mouse hind brain tissue stained for DAP5 using ab97302 at 1/500 dilution in immunohistochemical analysis.

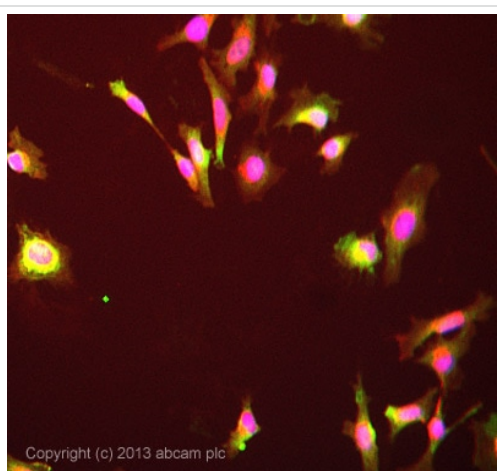


Western blot - Anti-P97/DAP5 antibody (ab97302)

Anti-P97/DAP5 antibody (ab97302) at 1/1000 dilution + A431 whole cell lysate at 30 μ g

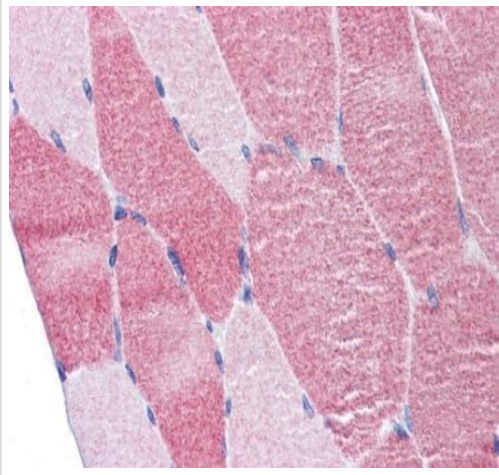
Predicted band size: 102 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-P97/DAP5 antibody (ab97302)

ICC/IF image of ab97302 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab97302, 10 μ g/ml) overnight at +4°C. The secondary antibody (green) was [ab96899](#), DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43 μ M.



Paraffin embedded human skeletal muscle tissue stained for DAP5 using ab97302 at 10 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-P97/DAP5 antibody (ab97302)

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

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