

Product datasheet

Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody ab1162

★★★★★ [15 Abreviews](#) [143 References](#) [3 Images](#)

Overview

Product name	Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody
Description	Rabbit polyclonal to DDDDK tag (Binds to FLAG® tag sequence)
Host species	Rabbit
Tested applications	Suitable for: ICC, WB, ELISA
Species reactivity	Reacts with: Species independent
Immunogen	Synthetic peptide corresponding to DDDDK tag (Binds to FLAG® tag sequence). Peptide DYKDDDDK conjugated to KLH. This sequence represents the Enterokinase Cleavage Site.
General notes	<p>Epitope tags provide a method to localize gene products in a variety of cell types, study the topology of proteins and protein complexes, identify associated proteins, and characterize newly identified, low abundance or poorly immunogenic proteins when protein specific antibodies are not available. Tagging with xxxDDDDK may be done at the N-terminus, N-terminus preceded by a methionine residue, C-terminus, and in internal positions of the target protein. The small size of the epitope tag and its high hydrophilicity tend to decrease the possibility of interference with protein expression, proteolytic maturation, antigenicity and function. The enterokinase cleavage site allows it to be completely removed from the purified fusion proteins.</p> <p>FLAG® is a registered trade mark of Sigma Aldrich Biotechnology LP. It is used here for informational purposes only.</p> <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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer	pH: 7.20 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

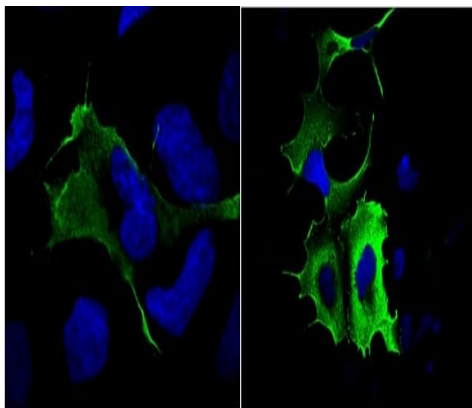
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab1162 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC	★★★★★ (1)	Use at an assay dependent concentration.
WB	★★★★★ (9)	Use a concentration of 0.2 - 1 µg/ml. Antibody was analyzed by western blot using various amino-terminal and carboxy-terminal DDDDK fusion proteins and Invitrogen Positope" R900-40. A 1/5000 dilution gave bands against 0.1, 1.0 and 10 ng of the fusion proteins and 100 ng and 25 ng of the Positope.
ELISA		Use a concentration of 1 - 5 µg/ml. As coating antibody in sELISA.

Target

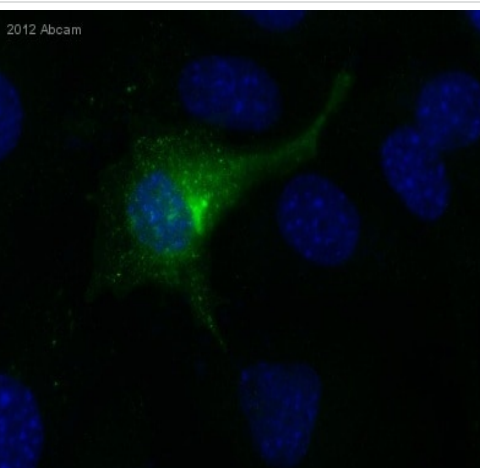
Relevance This is a useful tool for the localisation and characterisation of DDDDK tagged proteins (Binds to FLAG® tag sequence).

Images



Immunocytochemistry - Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody (ab1162)

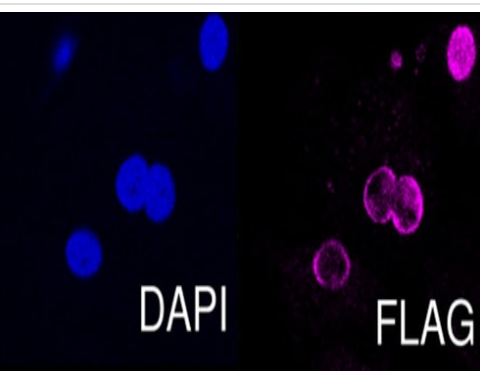
Immunofluorescent analysis of A293 cells labeling FLAG®-VPS35 with ab1162 at 10 µg/ml. The nuclear counter stain is DAPI (blue).



Immunocytochemistry - Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody (ab1162)

This image is courtesy of an anonymous Abreview

ab1162 staining DDDDK tag in hTERT-RPE1 by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with Paraformaldehyde, permeabilized with Saponin and blocked with 0.02% BSA for 20 minutes at 18°C. Samples were incubated with primary antibody (1/100) for 45 minutes at 18°C. A Cy3®-conjugated Donkey anti-rabbit polyclonal was used as the secondary antibody.



Immunocytochemistry - Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody (ab1162)

Image from Kapoor N et al., J Biol Chem. 2011 Apr 22;286(16):14073-9. Epub 2011 Jan 4. Fig 1A; doi: 10.1074/jbc.M110.185298; April 22, 2011 The Journal of Biological Chemistry, 286, 14073-14079.

ab1162 staining DDDDK tag (pink) in neonatal rat cardiomyocytes transduced with Ad-TBX18/FLAG®-IRES-GFP by Immunocytochemistry/ Immunofluorescence.

Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100 and incubated with primary antibody. An Alexa Fluor®-conjugated anti-rabbit IgG was used as the secondary antibody. Nuclei were stained with DAPI (blue).

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