

Product datasheet

Anti-DDDDK tag antibody ab1162

★★★★☆ 15 Abreviews 61 References 3 Images

Overview

Product name	Anti-DDDDK tag antibody
Description	Rabbit polyclonal to DDDDK tag
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, ELISA, IP
Immunogen	Peptide xxxDDDDK conjugated to KLH. xxx represents random amino acids. This sequence represents the Enterokinase Cleavage Site.
General notes	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.

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: 7.2 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab1162** in the following tested applications.

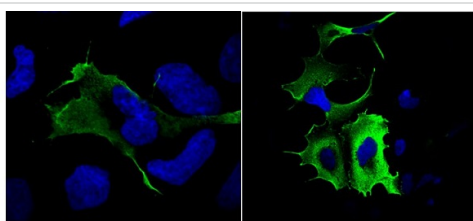
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆	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.
ICC/IF	★★★★☆	Use at an assay dependent concentration.
ELISA		Use a concentration of 1 - 5 µg/ml. As coating antibody in sELISA.
IP		1/40. PubMed: 25419851

Target

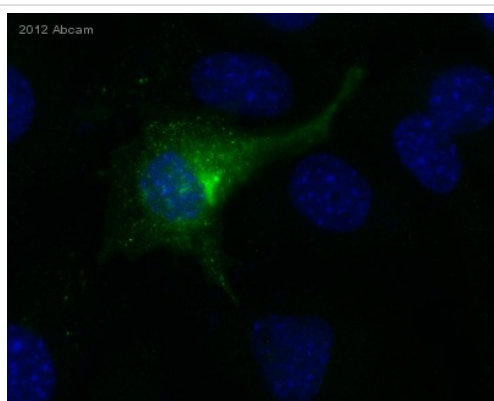
Relevance This is a useful tool for the localisation and characterisation of DDDDK tagged proteins.

Images



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

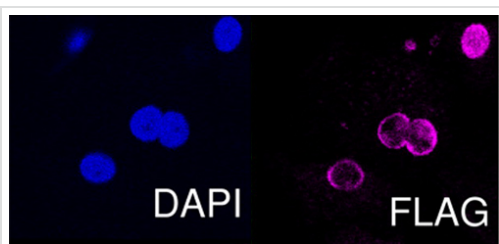
Immunocytochemistry/ Immunofluorescence - Anti-DDDDK tag antibody (ab1162)



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/ Immunofluorescence - Anti-DDDDK tag antibody (ab1162)

This image is courtesy of an anonymous Abreview



Immunocytochemistry/ Immunofluorescence - Anti-DDDDK tag antibody (ab1162)

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

ab1162 staining DDDD 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 AlexaFluor®-conjugated anti-rabbit IgG was used as the secondary antibody. Nuclei were stained with DAPI (blue).

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors