

Product datasheet

Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody ab1170

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

Overview

Product name	Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody
Description	Chicken polyclonal to DDDDK tag (Binds to FLAG® tag sequence)
Host species	Chicken
Tested applications	Suitable for: ELISA, WB, ICC/IF
Species reactivity	Reacts with: Species independent
Immunogen	Synthetic peptide corresponding to DDDDK tag (Binds to FLAG® tag sequence) conjugated to keyhole limpet haemocyanin. Peptide xxxDDDDK, xxx represents random amino acids. 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
Purification notes	Antibodies were affinity purified using the peptide coupled to a different carrier.
Clonality	Polyclonal
Isotype	IgY

Applications

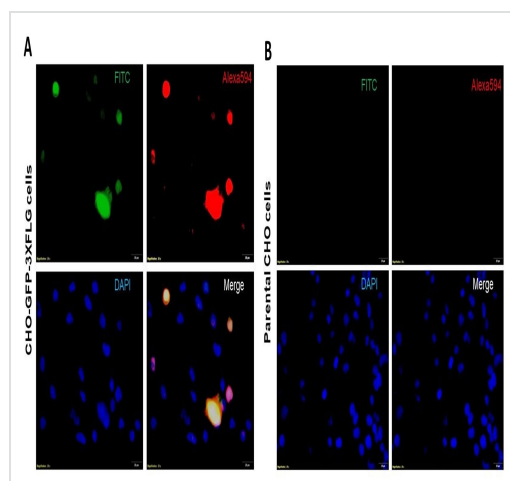
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab1170 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/5000 - 1/20000.
WB	★★★★★ (2)	1/2000 - 1/10000.
ICC/IF	★★★★★ (1)	Use a concentration of 5 µg/ml.

Target

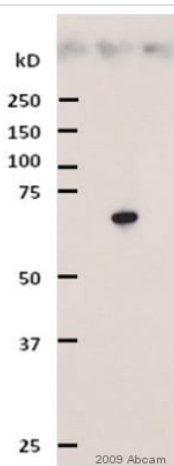
Relevance This is a useful tool for the localisation and characterisation of DDDDK tagged proteins (Binds to FLAG® tag sequence).

Images



Immunofluorescent analysis of 4% paraformaldehyde (PFA)-fixed permeabilized with 0.1% Triton X-100 CHO cells (A) transfected with GFP-3xFLAG constructs (CHO-GFP-3xFLAG) or (B) non-transfected parental cells, labelling DYKDDDK tag with ab1170 at 5 µg/mL, followed by Goat Anti-Chicken IgY (H&L), Alexa594 conjugated antibody at 2.5 µg/mL (Red). Parental CHO cells were used as a negative control. Nucleus was counterstained with DAPI (Blue).

Immunocytochemistry/ Immunofluorescence - Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody (ab1170)



Western blot - Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody (ab1170)
This image is courtesy of an anonymous Abreview

Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody (ab1170) at 1/5000 dilution + Escherichia coli Recombinant protein (BL21)

Secondary

Rabbit Anti-Chicken IgY H&L (HRP) ([ab6753](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Observed band size: 66 kDa

Exposure time: 10 seconds

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