

Product datasheet

Anti-DDDDK tag antibody [F-tag-01] - (Equivalent to FLAG antibodies from Sigma) ab18230

★★★★★ 7 Abreviews 19 References 4 Images

Overview

Product name	Anti-DDDDK tag antibody [F-tag-01] - (Equivalent to FLAG antibodies from Sigma)
Description	Mouse monoclonal [F-tag-01] to DDDDK tag - (Equivalent to FLAG antibodies from Sigma)
Host species	Mouse
Tested applications	Suitable for: ICC, WB, ICC/IF Unsuitable for: IP
Species reactivity	Reacts with: Species independent
Immunogen	Synthetic peptide corresponding to DDDDK tag conjugated to Keyhole Limpet Haemocyanin (KLH). Sequence: DYKDDDDK

[Run BLAST with](#)

[Run BLAST with](#)

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: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	F-tag-01
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab18230** in the following tested applications.

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

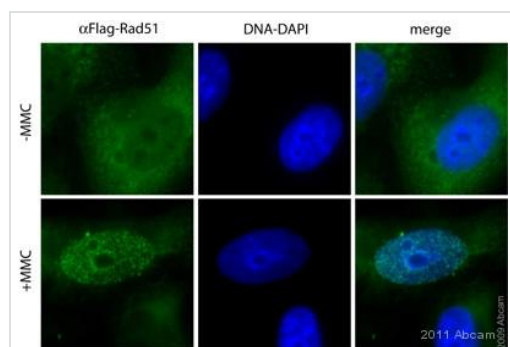
Application	Abreviews	Notes
ICC		Use a concentration of 2 - 10 µg/ml.
WB	★★★★☆	Use a concentration of 2 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 55 kDa).
ICC/IF	★★★★☆	Use at an assay dependent dilution.

Application notes Is unsuitable for IP.

Target

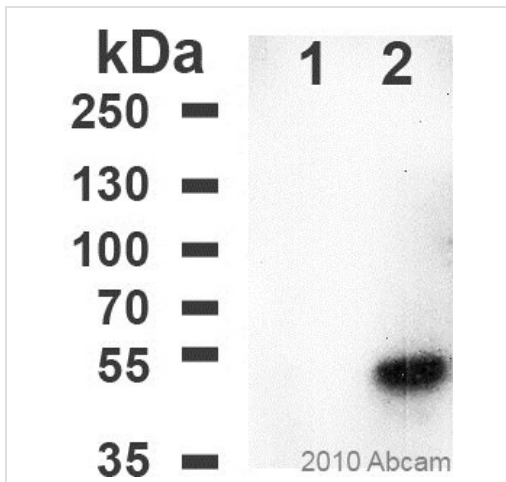
Relevance This is a useful tool for the localisation and characterisation of DDDDK tagged proteins.

Images



Immunocytochemistry/ Immunofluorescence - Anti-DDDDK tag antibody [F-tag-01] - (Equivalent to FLAG antibodies from Sigma) (ab18230)
Image courtesy of an anonymous AbReview

ab18230 staining DDDDK tag in Human HeLa, cervical carcinoma cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.3% tween20 and blocked with 0.5% BSA for 1 hour at 22°C. Samples were incubated with primary antibody (1/200 in PBS) for 24 hours at 4°C. Ab8517 (1/200) was used as the secondary antibody



Western blot - Anti-DDDDK tag antibody [F-tag-01] - (Equivalent to FLAG antibodies from Sigma) (ab18230)

Image part of an abreview submitted by Antibody Solutions Ltd

All lanes : Anti-DDDDK tag antibody [F-tag-01] - (Equivalent to FLAG antibodies from Sigma) (ab18230) at 2 µg/ml

Lane 1 : HEK293 cells transfected with empty vector

Lane 2 : HEK293 cells transfected with vector overexpressing DDDDK tag

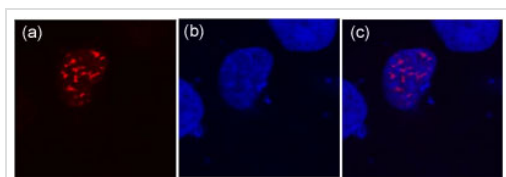
Secondary

All lanes : Goat anti-mouse IgG conjugated to HRP

Performed under reducing conditions.

Predicted band size: 55 kDa

Blocked for 16 hours/ 4°C in 3.0% Non-fat milk, PBS, 0.1% Tween-20

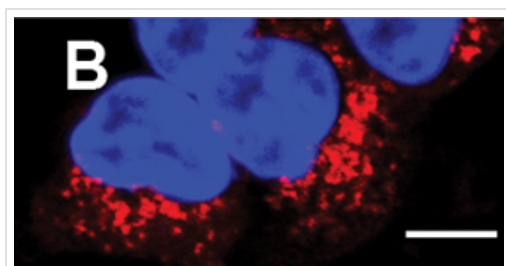


Immunocytochemistry - Anti-DDDDK tag antibody [F-tag-01] - (Equivalent to FLAG antibodies from Sigma) (ab18230)

(a) Fusion of nuclear protein stained with ab18230 (red)

(b) Cell nuclei stained with DAPI (blue)

(c) Merge of (a) and (b) confirming nuclear localisation of the fusion protein.



Immunocytochemistry/ Immunofluorescence - Anti-DDDDK tag antibody [F-tag-01] - (Equivalent to FLAG antibodies from Sigma) (ab18230)

Image from Ögmundsdóttir MH et al., PLoS One. 2012;7(5):e36616. Epub 2012 May 4. Fig 1.; doi:10.1371/journal.pone.0036616; May 4, 2012, PLoS ONE 7(5): e36616.

Immunofluorescence analysis of transfected HEK293 cells, staining DDDDK tag with ab18230 at 1/200 dilution.

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