abcam

Product datasheet

Anti-V5 tag antibody ab95038

11 References   **3 Images**

Overview

Product name	Anti-V5 tag antibody
Description	Goat polyclonal to V5 tag
Host species	Goat
Tested applications	**Suitable for:** ELISA, WB, ICC, IHC-P
Species reactivity	**Reacts with:** Species independent
Immunogen	V5 tag (GKPIPNPLLGLDST) coupled to KLH

General notes

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.

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

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	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab95038 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
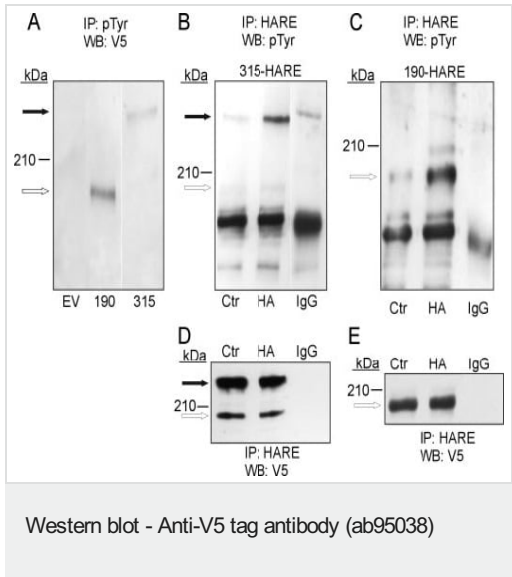
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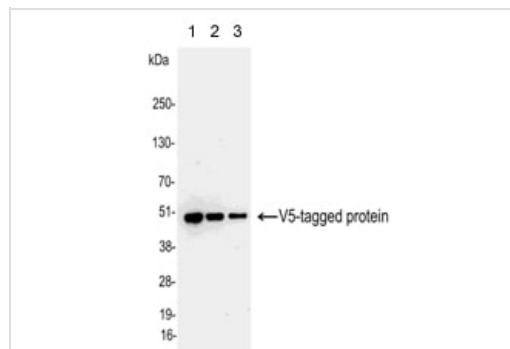| Application	Abreviews	Notes
ELISA		Use a concentration of 0.03 - 10 µg/ml. Coating: 2 - 10 ug/ml; Primary: 0.03 - 1 ug/ml
WB		Use a concentration of 0.03 - 1 µg/ml. Colorimetric: 0.1 - 1 ug/ml; Chemiluminescent: 0.03 - 1 ug/ml
ICC		Use a concentration of 0.5 - 5 µg/ml.
IHC-P		Use at an assay dependent dilution.

Target

Relevance

The V5 epitope tag is derived from a small epitope (Pk) present on the P and V proteins of the paramyxovirus of simian virus 5 (SV5). The V5 tag is usually used with all 14 amino acids (GKPIPNPLLGLDST), although it has also been used with a shorter 9 amino acid sequence (IPNPLLGLD).

Images

Western blot - Anti-V5 tag antibody (ab95038)

A, cells expressing 315-HARE, 190-HARE, or EV alone were cultured in T-25 flasks until confluent, washed, scraped, and lysed. Cell lysates (100ug of protein) were immunoprecipitated (IP) with anti-Tyr(P) mAb and the immune complexes were subjected to 5% SDS-PAGE and Western blot (WB) analysis using anti-V5 pAb. Cells expressing 315-HARE (B) or 190-HARE (C) cDNA were grown until confluent, washed, incubated for 1 h in medium without serum, and then incubated with (HA) or without (Ctr) 5ug/ml HA for 20 min. The cells were lysed and 200 ug of total lysate protein was immunoprecipitated with anti-HARE mAb-30. Immune complexes were collected and subjected to 5% SDS-PAGE and Western analysis using anti- Tyr(P) mAb. The same blots in B and C were reprobed with anti-V5 Ab (D and E, respectively). Immunopurification using non-immune mouse IgG served as another control in B–E. The solid and open arrows indicate the positions of the 315-HARE and 190-HARE, respectively.

Western blot - Anti-V5 tag antibody (ab95038)

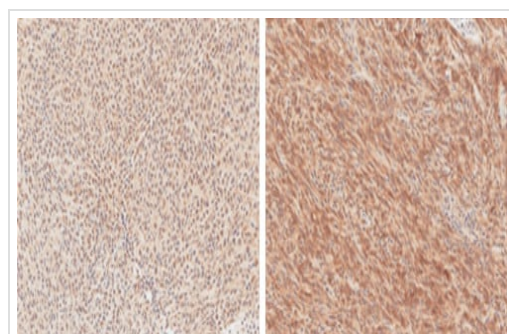**All lanes :** Anti-V5 tag antibody (ab95038) at 0.4 µg/ml

Lane 1 : E. coli whole cell lysate expressing a multi-tag fusion protein at 0.2 µg

Lane 2 : E. coli whole cell lysate expressing a multi-tag fusion protein at 0.1 µg

Lane 3 : E. coli whole cell lysate expressing a multi-tag fusion protein at 0.05 µg

Developed using the ECL technique.

Exposure time: 30 seconds

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-V5 tag antibody (ab95038)

Image from Faraji F et al., PLoS Genet 8(9): e1002926.. Fig 4.; doi: 10.1371/journal.pgen.1002926. Epub 2012 Sep 20.

Immunohistochemical analysis of murine mammary tumour tissue, expressing vector (left) or V5-tagged Cadm1 (right), staining V5 tag with ab95038.

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