

# FLAG tag antibody (DYKDDDDK)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1013A

## Product Information

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<b>Application</b>	WB, E
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG

## Additional Information

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<b>Other Names</b>	Tag from influenza hemagglutinin protein
<b>Target/Specificity</b>	KLH conjugated synthetic peptide (CDYKDDDDKDYKDDDDK) was used as antigen.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	FLAG tag antibody (DYKDDDDK) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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Epitope tags are useful for the labeling and detection of recombinant proteins using western blotting, immunoprecipitation and immunostaining techniques. The eight amino acid DYKDDDDK peptide is an established and multi-functional epitope tag and can be expressed and detected with a recombinant protein as an amino-terminal or carboxy-terminal fusion (1). Abgent's DYKDDDDK antibody binds to the same epitope recognized by Sigma's Anti-FLAG antibodies. (FLAG is a registered trademark of Sigma-Aldrich Co., which is not affiliated with Abgent).

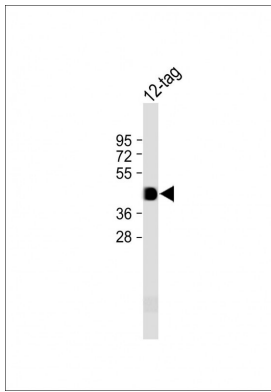
## References

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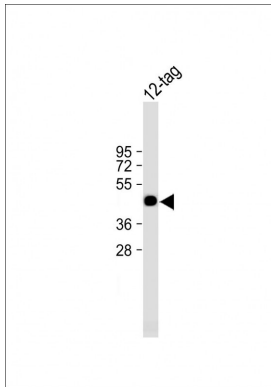
Chubet RG, Brizzard BL. Vectors for expression and secretion of FLAG epitope-tagged proteins in mammalian cells. *Biotechniques* 1996;20(1):136-141

## Images

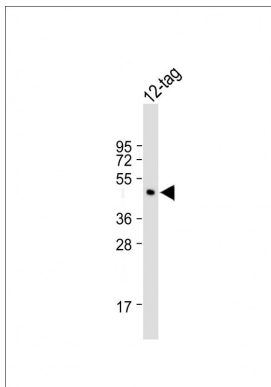
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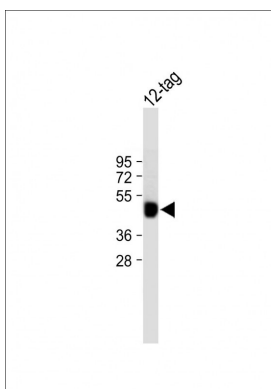
All lanes : Anti-FLAG tag antibody (DYKDDDDK) at 1:2000 dilution Lane 1: 12-tag whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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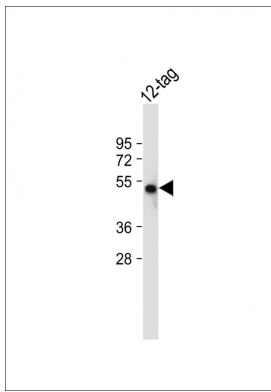


All lanes : Anti-FLAG tag antibody (DYKDDDDK) at 1:2000 dilution Lane 1: 12-tag recombinant protein Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

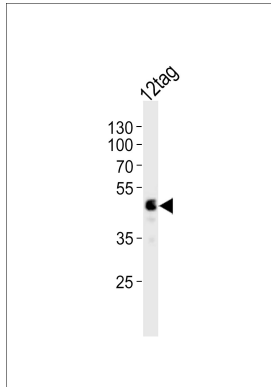


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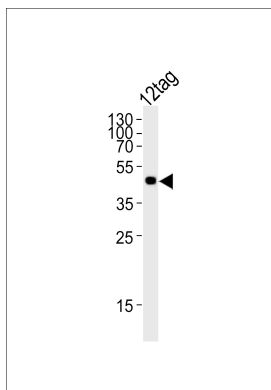
Anti-Tag-FLAG. 2x at 1:2000 dilution + 12-tag lysate Lysates/proteins at 20ng per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of lysate from 12tag protein, using FLAG tag antibody (DYKDDDDK)(Cat. #AP1013a). AP1013a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



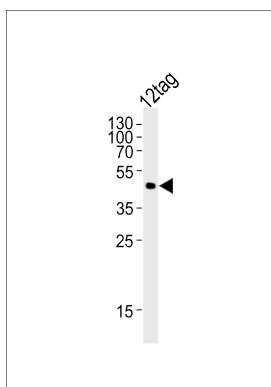
Western blot analysis of lysate from 12tag recombinant protein, using FLAG tag antibody (DYKDDDDK)(Cat. #AP1013a). AP1013a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



Western blot analysis of lysate from 12tag recombinant protein, using Tag-FLAG. 2x Antibody(Cat. #AP1013a). AP1013a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



Western blot analysis of lysate from 12tag recombinant protein, using FLAG tag antibody (DYKDDDDK)(Cat. #AP1013a). AP1013a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



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