

# FLAG tag antibody (DYKDDDDK)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP1013A

#### **Product Information**

ApplicationWB, EReactivityHumanHostRabbitClonalityPolyclonalIsotypeRabbit IgG

## **Additional Information**

Other Names Tag from influenza hemagglutinin protein

Target/Specificity KLH conjugated synthetic peptide (CDYKDDDDKDYKDDDDK) was used as

antigen.

**Dilution** WB~~1:1000 E~~Use at an assay dependent concentration.

**Format** 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.

**Storage** 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.

**Precautions** FLAG tag antibody (DYKDDDDK) is for research use only and not for use in

diagnostic or therapeutic procedures.

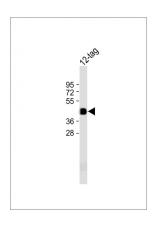
## **Background**

Epitope tags are useful for the labeling and detection of recombinant proteins using western blotting, immunoprecipitation and immunostaining techniques. The eight amino acid DYKDDDK 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).

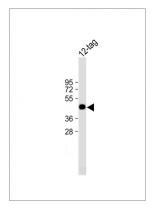
## References

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

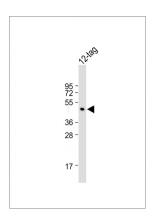
## **Images**



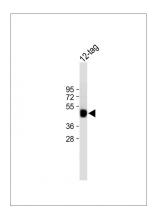
All lanes: Anti-FLAG tag antibody (DYKDDDDK) at 1:2000 dilution Lane 1: 12-tag whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size: 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.

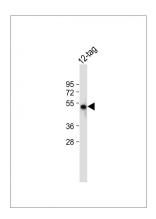


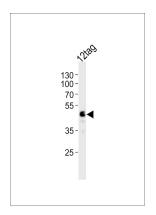
All lanes: Anti-FLAG tag antibody (DYKDDDDK) at 1:2000 dilution Lane 1: 12-tag recombinant protein Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size: 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



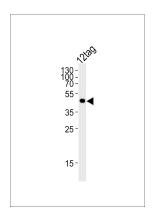
All lanes: Anti-FLAG tag antibody (DYKDDDDK) at 1:2000 dilution Lane 1: 12-tag whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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.





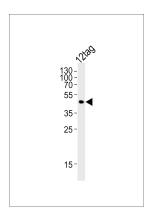
Western blot analysis of lysate from 12tag protein, using FLAG tag antibody (DYKDDDDK)(Cat. #AP1013a). AP1013a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



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 recombiant 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.

### **Citations**

- <u>Psb35 Protein Stabilizes the CP47 Assembly Module and Associated High-Light Inducible Proteins during the Biogenesis of Photosystem II in the Cyanobacterium Synechocystis sp. PCC6803</u>
- white panicle2 encoding thioredoxin z, regulates plastid RNA editing by interacting with multiple organellar RNA editing factors in rice
- Investigating the duality of function in the cellular transformation of mouse fibroblasts
- Structure of YidC from Thermotoga maritima and its implications for YidC-mediated membrane protein insertion.
- <u>Chromatin-remodelling factor Brg1 regulates myocardial proliferation and regeneration in zebrafish.</u>
- Sensitive and Quantitative Three-Color Protein Imaging in Fission Yeast Using Spectrally Diverse, Recoded Fluorescent Proteins with Experimentally-Characterized In Vivo Maturation Kinetics.

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