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FLAG tag antibody (DYKDDDDK)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1013A

Product Information

Application	WB, E
Reactivity	Human
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit 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.

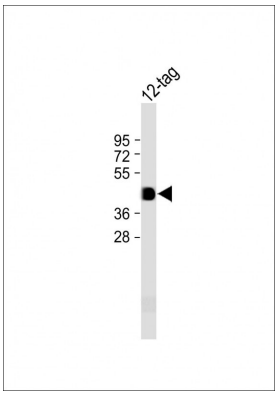
Background

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

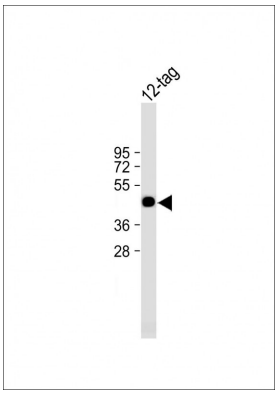
References

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.



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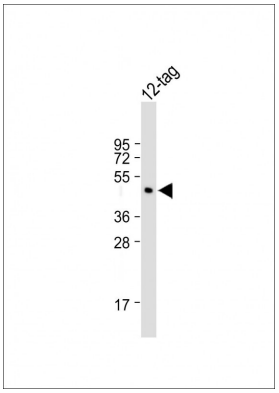
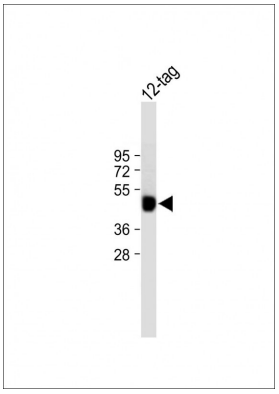
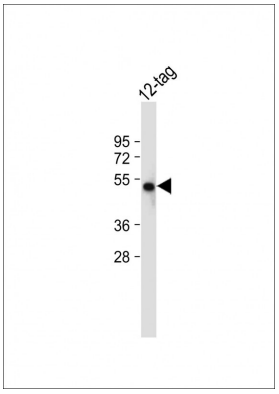


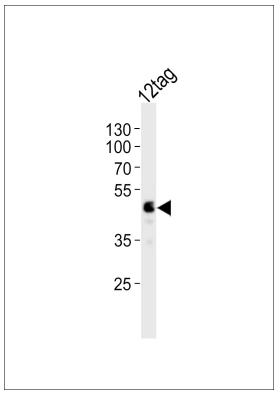
All lanes : Anti-FLAG tag antibody (DYKDDDDK) at 1:2000 dilution Lane 1: 12-tag recombinant protein Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



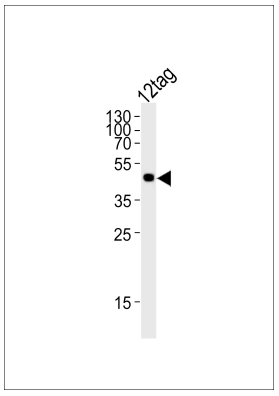
All lanes : Anti-FLAG tag antibody (DYKDDDDK) at 1:2000 dilution Lane 1: 12-tag whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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.

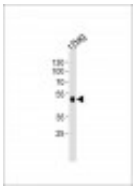




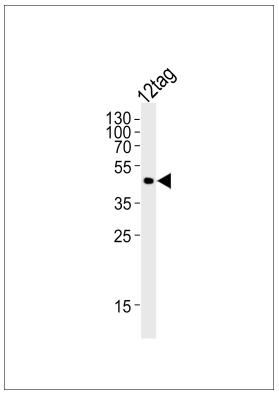
Western blot analysis of lysate from 12tag protein, using FLAG tag antibody (DYKDDDDK)(Cat. #AP1013a). AP1013a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



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

- 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
- 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.
- Chromatin-remodelling factor Brg1 regulates myocardial proliferation and regeneration in zebrafish.
- Sensitive and Quantitative Three-Color Protein Imaging in Fission Yeast Using Spectrally Diverse, Recoded Fluorescent Proteins with Experimentally-Characterized In Vivo Maturation Kinetics.
- Modification of PLAC8 by UFM1 affects tumorous proliferation and immune response by impacting PD-L1 levels in triple-negative breast cancer
- β-Cyclodextrin/dialdehyde glucan-coated keratin nanoparticles for oral delivery of insulin
- Rapid differentiation of hiPSCs into functional oligodendrocytes using an OLIG2 synthetic modified messenger RNA

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