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His Tag Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1047a

Product Information

Application	WB, E
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

Additional Information

Target/Specificity	Poly-HIS peptide were used to produced this antibody.
Dilution	WB~~1：500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	His Tag Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Background

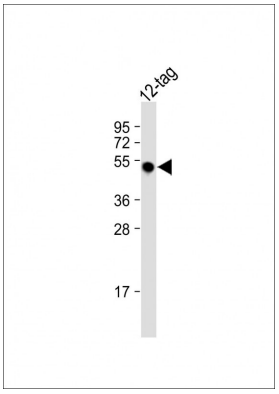
Epitope tags consisting of short sequences recognized by well-characterized monoclonal antibodies have been widely used in the study of protein expression in various systems. The 6xHIS tag (HHHHHH), recognized by the monoclonal antibody clone 6AT18 provides an established example of this application. 6xHIS-tagged fusion proteins are easily purified from cell lysates by affinity chromatography using Nickel-Sepharose resin. Abgent's anti-6xHIS monoclonal antibody provides a simple solution to detect the expression of HIS-tagged fusion proteins in cells.

References

Hochuli E, Doebeli H, and Schacher A. New metal chelate absorbent selective for proteins and peptides containing neighboring histidine residues. J. Chromatogr. 1987;411:177-184.

Images

All lanes : Anti-His Tag Antibodyat 1:2000 dilution Lane1: MB10415 lysate Lysates/proteins at 20 µg per lane.



Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size :34kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Citations

- Assembly of minicellulosomes on the surface of Bacillus subtilis.