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HIS Tag Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AW5672

Product Information

Application	WB
Host	Mouse
Clonality	Monoclonal
Calculated MW	45 KDa
Isotype	Mouse IgG1
Antigen Source	HUMAN

Additional Information

Antigen Region	NA
Dilution	WB~~1:8000
Target/Specificity	Purified recombinant HIS-tagged fusion protein and poly-HIS peptide were used to produced this monoclonal antibody.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, 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.

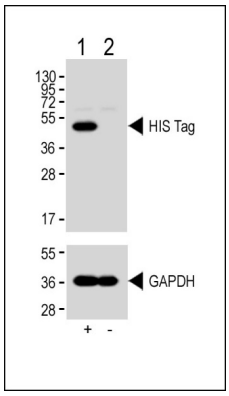
Background

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.

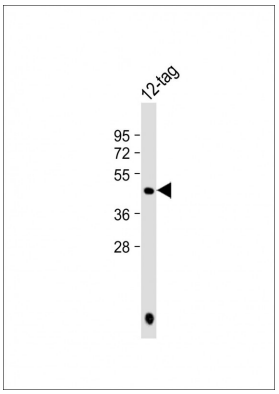
References

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 at 1:1000 dilution (upper) or GAPDH (lower) Lane 1: 293T/17 transfected with 12tag lysate (10ug) Lane 2: Non-transfected 293T/17 lysate (10ug) Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45-50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-HIS Tag at 1:8000 dilution + 12-tag lysate Lysates/proteins at 20ng per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.