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Datasheet for ABIN387750
anti-His Tag antibody

3 Images

38 Publications

Overview

Quantity:	200 µL
Target:	His Tag
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This His Tag antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Purified recombinant HIS-tagged fusion protein and poly-HIS peptide were used to produced this monoclonal antibody.
Sequence:	HHHHHH
Clone:	6AT18
Isotype:	IgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	His Tag
Abstract:	His Tag Products
Target Type:	Tag

Target Details

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.

Gene ID: 12406

Application Details

Application Notes: WB: 1:8000. WB: 1:1,000. WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid freeze-thaw cycles.

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.

Expiry Date: 6 months

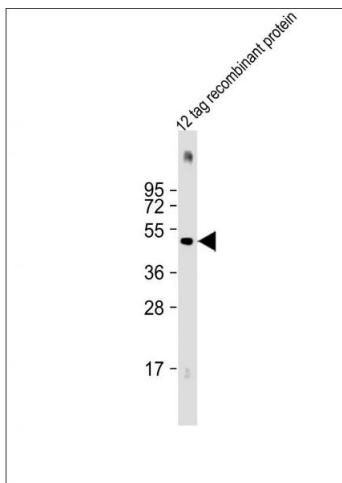
Publications

Product cited in: Ball, Oppel, Ehrenberg, Dubash, Dieter, Hoffmann, Abel, Herbst, Koch, Werner, Bergmann, Ishaque, Schmidt, von Kalle, Scholl, Fröhling, Brors, Weichert, Weitz, Glimm: "Succession of transiently active tumor-initiating cell clones in human pancreatic cancer xenografts." in: **EMBO molecular medicine**, Vol. 9, Issue 7, pp. 918-932, (2018) ([PubMed](#)).

Wei, Wang, Kanai, Jia, Le, Li, Wang, Xie: "KLF4? up-regulation promotes cell cycle progression and reduces survival time of patients with pancreatic cancer." in: **Gastroenterology**, Vol. 139, Issue 6, pp. 2135-45, (2010) ([PubMed](#)).

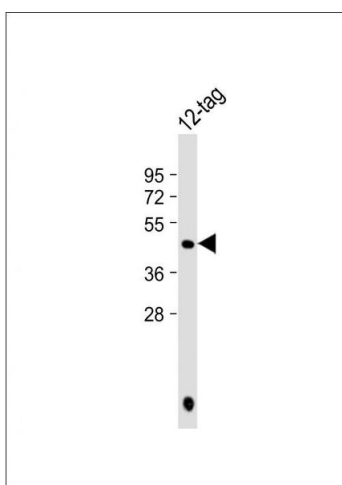
There are more publications referencing this product on: [Product page](#)

Images



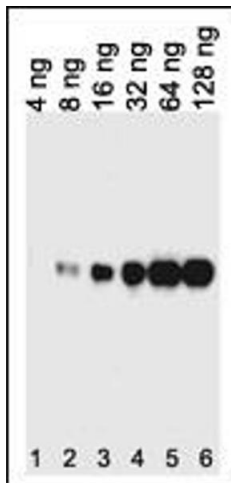
Western Blotting

Image 1. Anti-HIS Tag at 1:2000 dilution + 12 tag recombinant protein lysate Lysates/proteins at 20 µg per lane. 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.



Western Blotting

Image 2. Anti-HIS Tag at 1:8000 dilution + 12-tag lysate Lysates/proteins at 20 ng 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.



Western Blotting

Image 3. Western blot analysis of lysates from 12tag protein , This demonstrates the His tagged antibody detected the His tagged protein (arrow).