



Datasheet for ABIN6720637
anti-His Tag antibody (DyLight 649)



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Overview

Quantity:	100 µg
Target:	His Tag
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This His Tag antibody is conjugated to DyLight 649
Application:	Western Blotting (WB), Fluorescence Microscopy (FM), FLISA

Product Details

Immunogen:	Immunogen: This antibody was produced in mice by repeated immunizations with 6X His epitope tag peptide H-H-H-H-H-H conjugated to KLH using maleimide. Immunogen Type: Peptide
Clone:	33D10-D2
Isotype:	IgG1
Purification:	This protein-A purified antibody is directed against the 6X His motif and is useful in determining its presence in various assays. This monoclonal anti-6X His tag antibody detects over-expressed proteins containing the 6X His epitope tag. To date, this antibody has reacted with all His tagged proteins so far tested. In western blotting of bacterial extracts, the antibody does not cross-react with endogenous proteins. The antibody recognizes the His-tag (His-His-His-His-His-His) fused to either the amino- or carboxy-termini of targeted proteins in transfected or transformed cells.

Product Details

Labeling Ratio: 2.5

Target Details

Target: His Tag

Alternative Name: 6X HIS tagged ([His Tag Products](#))

Target Type: Tag

Background: Synonyms: mouse anti-6X His Tag DyLight™ 649 conjugated Antibody, DyLight™ 649 conjugated mouse anti-6X His Tag Antibody, anti-HIS, HIS Antibody, 6X His Tag Antibody, HHHHHH epitope tag antibody
Background: Anti 6X HIS tagged Antibody is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA), fluorescent polarization, FRET and fluorescent western blotting. Anti-6X HIS Antibody is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.

Application Details

Application Notes: Application Note: The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation.

FLISA Dilution: >1:20,000

Western Blot Dilution: >1:10,000-1:25,000

IF Microscopy Dilution: >1:5,000

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 100 µL
Reconstitution Buffer: Restore with deionized water (or equivalent)

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
0.01 % (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

Storage: RT, 4 °C, -20 °C

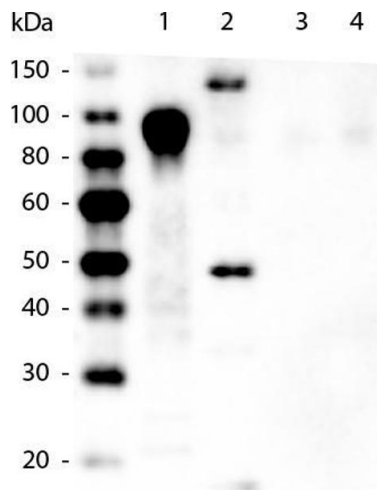
Storage Comment: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Publications

Product cited in: Kariolis, Miao, Diep, Nash, Olcina, Jiang, Jones, Kapur, Mathews, Koong, Rankin, Cochran, Giaccia: "Inhibition of the GAS6/AXL pathway augments the efficacy of chemotherapies." in: **The Journal of clinical investigation**, Vol. 127, Issue 1, pp. 183-198, (2017) ([PubMed](#)).

Kariolis, Miao, Jones, Kapur, Mathews, Giaccia, Cochran: "An engineered Axl 'decoy receptor' effectively silences the Gas6-Axl signaling axis." in: **Nature chemical biology**, Vol. 10, Issue 11, pp. 977-83, (2014) ([PubMed](#)).

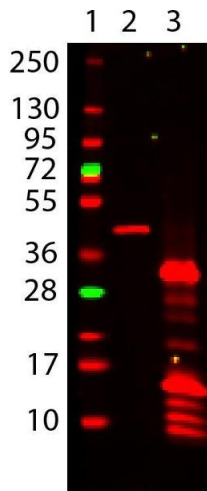
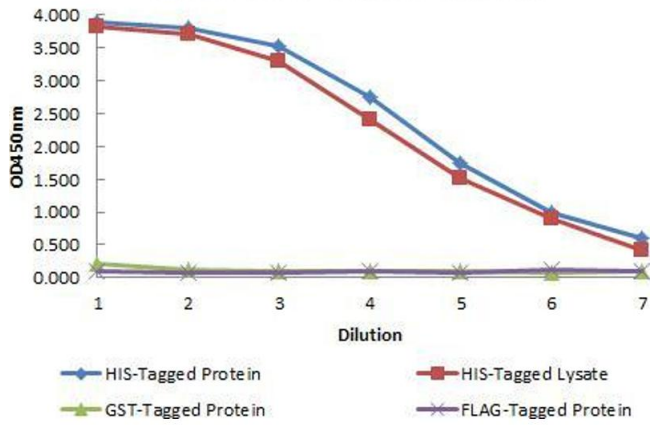
Images



Western Blotting

Image 1. Western Blot of Mouse anti-6xHIS Tag Antibody. Lane 1: 100ng Purified histidine-tagged recombinant protein. Lane 2: 200ng E. coli cell lysate containing histidine-tagged expression construct. Lane 3: 100ng Purified GST-tagged recombinant protein. Lane 4: 100ng Purified FLAG-tagged recombinant protein. Primary antibody: Mouse anti-6xHIS Tag antibody at 1:5,000 overnight at 4°C. Secondary antibody: Peroxidase mouse secondary antibody at 1:20,000 for 30 min at RT. Block: 5% BLOTTO for 1 hr at RT.

Anti-6xHIS Tag Specificity



ELISA

Image 2. ELISA of Mouse anti-6xHIS Tag Antibody. Antigen: HIS-tagged purified protein and E. coli cell lysates expressing HIS-Tagged construct, GST- and RON-tagged purified proteins. Coating amount: 0.15ug per well. Primary antibody: 6xHIS Tag antibody at 100ug/mL. Dilution series: 2-fold. Mid-point concentration: 200ng/mL. Secondary antibody: Peroxidase mouse secondary antibody at 1:10,000. Substrate: TMB .

Western Blotting

Image 3. Western Blot of Mouse Anti-6X HIS EPITOPE TAG Antibody 649 Conjugated. Lane 1: Molecular Weight Ladder. Lane 2: Recombinant 6xHIS-SUMO-GFP. Lane 3: Nag1. Load: 100ng Primary antibody: 6X HIS EPITOPE TAG 649 Conjugated at 1:1000 30 min RT. Block: 1% BSA-TTBS 30 min RT. Observed size: Lane 2: 45 kDa, Lane 3: 16 and 32 kDa. Other band(s): Lysate breakdown.