

## Direct-Blot™ HRP anti-6-His Epitope Tag Antibody

<b>Catalog# / Size</b>	906109 / 25 µL 906110 / 100 µL
<b>Clone</b>	6-His
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	polyhistidine-tag, hexa histidine-tag, 6xHis-tag, His6 tag, His-tag(TM)
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	His tags are commonly used as a method of tagging proteins for detection or purification. This antibody is raised again a polyhistidine tag (6-His or hexa His-tag).

### Product Details

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<b>Reactivity</b>	6xHis Tag
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Monoclonal 6-His antibody was raised against a recombinant protein containing the sequence HHHHHH.
<b>Purity</b>	The antibody was purified by affinity chromatography and conjugated with HRP under optimal conditions.
<b>Formulation</b>	This antibody is provided in 50% glycerol in aqueous buffered solutions with preservatives.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our <a href="#">Concentration and Expiration Lookup</a> or <a href="#">Certificate of Analysis</a> online tools.)
<b>Storage &amp; Handling</b>	Upon receipt, the antibody solution should be stored undiluted at -20°C, and protected from prolonged exposure to light.
<b>Application</b>	<a href="#">WB - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">Western blotting</a> . For Western blotting, the suggested use of this reagent is 0.05 - 5.0 µg per ml (1:1000-1:10000 dilution). It is recommended that the reagent be titrated for optimal performance for each application.  25 µl and 100 µl of Direct-Blot™ HRP antibody can be used for approximately 5 and 20 Western blots, respectively, at the recommended concentration/dilution.
<b>Application Notes</b>	The sequence of the protein flanking the poly His tag does not influence antibody binding. This antibody was subsequently purified via a protein-G column.
<b>Application References</b>	<ol style="list-style-type: none"><li>1. Deinert K, <i>et al.</i> 2001. <i>J. Biol. Chem.</i> 276:6000. (WB)</li><li>2. Kojima H, <i>et al.</i> 2001. <i>J. Biol. Chem.</i>(22)276:19238. (ICC) <a href="#">PubMed</a></li><li>3. Lapinski PE, <i>et al.</i> 2000. <i>J. Biol. Chem.</i> 275:6831. (WB)</li><li>4. Bartsch D, <i>et al.</i> 1998. <i>Cell.</i> 95:211. (ICC)</li><li>5. Fuentes EJ, <i>et al.</i> 2003. <i>J Biol Chem.</i> 278:2118. <a href="#">PubMed</a></li><li>6. Montegna EA, <i>et al.</i> 2012 <i>PLoS One.</i> 7:31156. (WB) <a href="#">PubMed</a></li><li>7. Huang L, <i>et al.</i> 2013. <i>Nat Biotechnol.</i> 31:450. (WB) <a href="#">PubMed</a></li></ol>
<b>RRID</b>	AB_2734681 (BioLegend Cat. No. 906109) AB_2734682 (BioLegend Cat. No. 906110)

### Antigen Details

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<b>Biology Area</b>	Cell Biology
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Gene ID

NA

## Related Protocols

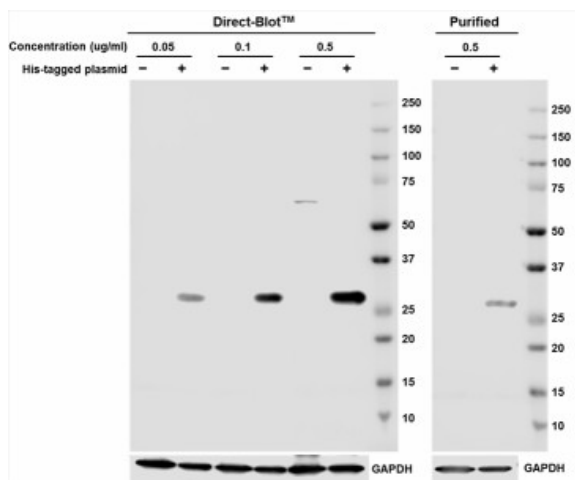
[Direct-Blot™ HRP Antibodies Save You Time - Video](#)

[Western Blotting Protocol](#)

## Other Formats

Anti-6-His Epitope Tag Affinity Matrix, Biotin anti-6-His Epitope Tag, FITC anti-6-His Epitope Tag, Purified anti-6-His Epitope Tag, Direct-Blot™ HRP anti-6-His Epitope Tag, Alexa Fluor® 647 anti-6-His Epitope Tag

## Product Data



Western blot analysis of 15 µg cell lysates from HeLa cells transfected with (+) or without (-) His-tagged plasmid. Samples were resolved by electrophoresis (4-20% Tris-glycine gel), transferred to nitrocellulose, and probed with 0.05, 0.1 and 0.5 µg/ml Direct-Blot™ HRP, or 0.5 µg/ml purified anti-His-HRP antibody, clone 6-His. Direct-Blot™ HRP anti-GAPDH was used as a loading control (Cat. No. 649203, 1:1000 dilution).

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