

Polyclonal Antibody to 6xHistidine Epitope Tag (HHHHHH) - IRDYE800CW

Alternate names:	6xHis-Tag, HHHHHH Tag, HIS6 Tag, His Tag
Catalog No.:	R1181D8C
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Background:	Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged proteins biochemical properties. Most often, sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag-containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells.
Host:	Rabbit
Immunogen:	6X His epitope tag peptide H-H-H-H-H conjugated to KLH using maleimide
Format:	<p>State: Lyophilized purified Ig</p> <p>Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml BSA and 0.01% (w/v) Sodium Azide</p> <p>Label: IRDYE800CW – IRDye® 800CW (MW 1</p> <p><i>Absorption / Emission:</i> 774 nm / 800 nm</p> <p><i>Molar Ratio:</i> 1,1 moles IRDye® 800CW/mole of Goat IgG</p> <p>Reconstitution: Restore with 0.1 ml of deionized water (or equivalent).</p>
Applications:	<p>LI-COR Odyssey(R) BLOT.</p> <p>LI-COR In-Cell Western(R): 1/800.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	This antibody is directed against the 6X His motif.
Storage:	<p>Prior to and following reconstitution store the antibody at 2-8°C.</p> <p>DO NOT FREEZE!</p> <p>Shelf life: one year from despatch.</p>
General Readings:	Bayer & Wilchek, Methods in Enzymology, 184; 138-160, 1990.