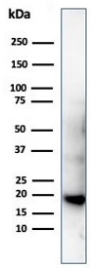
Recombinant Poly His Antibody / His Tag [clone 6HIS/6402R] (V9221)

Catalog No.	Formulation	Size
V9221-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9221-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9221SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

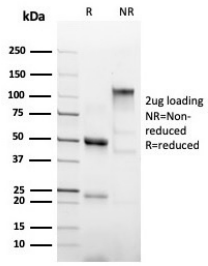
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Species independent
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	6HIS/6402R
Purity	Protein A/G affinity
UniProt	Not Applicable
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml
Limitations	This recombinant Poly His antibody is available for research use only.



Recombinant Poly His Antibody WB. Western blot analysis of Poly His antibody in His-tagged protein samples. A recombinant His-tagged protein was resolved by SDS-PAGE under reducing conditions and probed with the recombinant rabbit monoclonal Poly His antibody clone 6HIS/6402R. A strong immunoreactive band is observed at approximately 20 kDa, consistent with the expected molecular weight of the His-tagged target protein. The clean banding pattern supports specific detection of polyhistidine-tagged recombinant proteins by clone 6HIS/6402R.



SDS-PAGE analysis of purified, BSA-free recombinant Poly His antibody (clone 6HIS/6402R) as confirmation of integrity and purity.

Description

Recombinant Poly His antibody recognizes the polyhistidine tag, commonly referred to as His-tag or 6xHis tag, a short amino acid sequence widely used for recombinant protein purification and detection. Poly His antibody, also referred to as anti-His antibody and His tag antibody in the literature, detects histidine-tagged fusion proteins expressed in bacterial, mammalian, or insect systems. Clone 6HIS/6402R is produced as a recombinant rabbit monoclonal antibody, providing defined specificity and lot-to-lot consistency for detection of His-tagged proteins in research applications.

The polyhistidine tag typically consists of six consecutive histidine residues engineered at the N- or C-terminus of recombinant proteins. This sequence enables affinity purification using immobilized metal affinity chromatography and allows straightforward immunodetection in downstream assays. Because the His-tag is small and generally does not interfere with protein folding or function, it is one of the most widely used affinity tags in molecular biology.

Detection of His-tagged proteins is essential for verifying expression, confirming purification, and assessing protein integrity. In denatured lysates, intact fusion proteins are typically detected at their expected molecular weight, while truncated or degraded forms may also be observed depending on expression system and stability. Reliable recognition of the polyhistidine epitope is therefore important for accurate interpretation of recombinant protein experiments.

Clone 6HIS/6402R recognizes the polyhistidine sequence independent of the fused protein backbone, supporting broad detection across diverse recombinant constructs. A recombinant rabbit monoclonal format supports consistent performance across production lots and enables reproducible detection of His-tagged targets in research workflows.

Recombinant Poly His antibody is suitable for research applications focused on detection, characterization, and analysis of His-tagged recombinant proteins in expression and purification systems.

To learn more about detecting His-tagged recombinant proteins, explore our His Tag Antibody / Polyhistidine Tag Antibody page featuring recombinant rabbit monoclonal clone RM146.

Application Notes

Optimal dilution of the recombinant Poly His antibody should be determined by the researcher.

Immunogen

Hexa-histidine tagged human protein was used as the immunogen for the recombinant Poly His antibody.

Storage

Aliquot the recombinant Poly His antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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