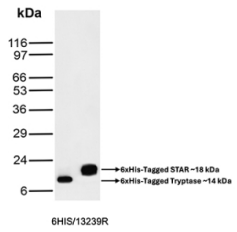
6xHis Tag Antibody / His Epitope Tag [clone 6HIS/13239R] (V6055)

Catalog No.	Formulation	Size
V6055-100UG	0.2 mg/ml in 1X PBS with 0.05% BSA, 0.05% sodium azide	100 ug
V6055-20UG	0.2 mg/ml in 1X PBS with 0.05% BSA, 0.05% sodium azide	20 ug
V6055SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

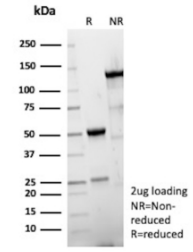
Recombinant RABBIT MONOCLONAL

Bulk quote request

Species Reactivity	All species
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	6HIS/13239R
Applications	Western Blot: 2-4ug/ml
Limitations	This 6xHis Tag/His Epitope Tag antibody is available for research use only.



6xHis Tag Antibody WB. Western blot analysis of 6xHis Tag Antibody in recombinant protein samples. Multiple epitope-tagged recombinant proteins containing V5, FLAG, HA, and His sequences were resolved by SDS-PAGE under reducing conditions and probed with 6xHis Tag Antibody clone 6HIS/13239R. Distinct immunoreactive bands are observed at approximately 18 kDa and 14 kDa, corresponding to 6xHis-tagged STAR and 6xHis-tagged tryptase proteins, respectively, as indicated. The selective detection of the His-tagged constructs demonstrates specific recognition of the His epitope tag by clone 6HIS/13239R without cross-reactivity to non-His epitope tags present in the samples.



SDS-PAGE Analysis of Purified 6xHis Tag/His Epitope Tag antibody (clone 6HIS/13239R). Confirmation of Purity and Integrity of Antibody.

Description

6xHis Tag Antibody recognizes the hexahistidine sequence, also known as the His epitope tag, a short polyhistidine motif engineered into recombinant proteins for purification and detection. 6xHis Tag Antibody, also referred to as His Epitope Tag antibody, His Tag antibody, and anti-6xHis antibody in the literature, detects histidine-tagged fusion proteins expressed in bacterial, mammalian, or insect systems. Clone 6HIS/13239R is produced as a recombinant rabbit monoclonal antibody, providing defined specificity and consistent performance for detection of 6xHis-tagged recombinant proteins in research applications.

The His epitope tag typically consists of six consecutive histidine residues positioned at the N-terminus or C-terminus of a target protein. This small sequence enables purification using immobilized metal affinity chromatography and facilitates immunodetection in downstream analytical workflows. Because the 6xHis tag is compact and generally does not disrupt protein folding or biological activity, it remains one of the most widely used affinity tags in molecular biology and recombinant protein engineering.

Detection of His epitope-tagged proteins is critical for confirming expression, verifying purification efficiency, and assessing molecular integrity. Under denaturing conditions, intact fusion proteins are typically detected at their predicted molecular weight, while truncated or partially degraded forms may also be observed depending on construct design and expression system stability. Accurate recognition of the hexahistidine epitope therefore supports reliable interpretation of recombinant protein experiments.

Clone 6HIS/13239R recognizes the 6xHis sequence independently of the fused protein backbone, supporting broad detection across diverse recombinant constructs. The recombinant rabbit monoclonal format promotes lot-to-lot consistency and defined epitope recognition, enabling reproducible detection of His epitope-tagged proteins across experimental workflows.

6xHis Tag Antibody clone 6HIS/13239R is suitable for research applications focused on detection, characterization, and analysis of recombinant proteins containing a His epitope tag.

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

1. Optimal dilution of the 6xHis Tag/His Epitope Tag antibody should be determined by the researcher.

2. This 6xHis Tag/His Epitope Tag antibody is recombinantly produced by expression in CHO cells.

Immunogen

Hexa-histidine tagged human CD70 recombinant protein was used as the immunogen for the 6xHis Tag/His Epitope Tag antibody.

Storage

6xHis Tag/His Epitope Tag antibody with sodium azide - store at 2 to 8oC; antibody without sodium azide - store at -20 to -80oC.

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