

Anti- His-Tag Rabbit Monoclonal Antibody

CATALOG NO: A1138-50

AMOUNT: 50 µg

CLONE: RM146

IMMUNOGEN: Mixture of a peptide with 6xHis-Tag at the N-terminus and another peptide with 6xHis-Tag at the C-terminus

HOST/ISOTYPE: Rabbit IgG

SPECIES REACTIVITY: Human

PURIFICATION: Protein A affinity purified from an animal origin-free culture supernatant

FORM: Liquid

FORMULATION: 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide

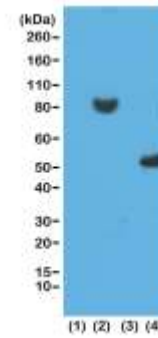
SPECIFICITY: This antibody reacts to recombinant proteins containing the 6xHis-Tag or 10xHis-Tag fused to either the amino or carboxy terminus. No cross reactivity with other endogenous protein in mammalian or bacteria cells.

STORAGE CONDITIONS: For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

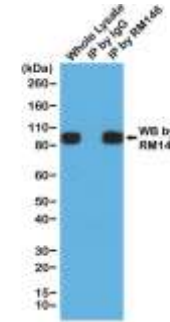
DESCRIPTION: A variety of plasmids contain DNA that encodes an N-terminal tag consisting of six histidine (His) residues, followed by an extended multiple cloning sites. The 6xHis tag on the expressed recombinant proteins allows for efficient coupling to Ni⁺⁺ affinity resins and purification by a single step chromatography. As is the case with other protein tags, this polyhistidine tag can be cleaved at sites recognized by enzymes such as thrombin and enterokinases to isolate the protein of interest.

APPLICATION: Western Blot: 0.1 µg/ml - 1 µg/ml
Immunoprecipitation: 0.5 µg/ml - 2 µg/ml
Immunocytochemistry 0.5 µg/ml – 2 µg/ml
Flow Cytometry: 0.5 µg/ml – 2 µg/ml
Immunohistochemistry; 0.1 µg/ml-1 µg/ml

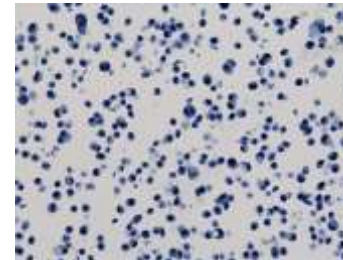
Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



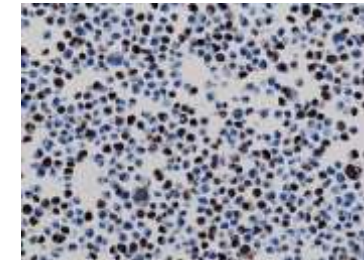
Western blot of 293T cells (1) untransfected or (2) transfected with His-Tag fusion protein X and (3) E. coli lysate without His-Tag Protein Y (4) E. coli lysate with His-Tag Protein Y, using anti-His-tag antibody at 0.2 µg/ml



Immunoprecipitation of 293T cells expressing a His-Tag fusion protein by anti-His-Tag antibody (1) Whole lysate control; (2) IP by rabbit IgG control; (3) IP by Anti-His tag antibody



Immunohistochemistry staining of naïve HepG2 cells (Negative control) using anti-His-Tag antibody.



Immunohistochemistry staining of 293T cells expressing His-Tag nuclear protein X, using anti-His-Tag antibody

RELATED PRODUCTS:

- His-Tag Antibody (Clone 11E12) (Cat. No. 6714-100)
- His-Tag Antibody (Clone BV-G020) (Cat. No. 3646-100)
- His-Tag Monoclonal Antibody (Cat. No. A1032-100)

FOR RESEARCH USE ONLY! Not to be used on humans.

