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SP5387P

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Monoclonal Antibody to 6x-HIS Epitope Tag

Alternate names:	6xHis-Tag, HHHHHH Tag, HIS6 Tag, His Tag
Catalog No.:	SP5387P
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Host:	Rabbit
Immunogen:	Synthetic Peptide: H H H H H corresponding to 6X-His epitope tag sequence. It is available for use in neutralization and control experiments (SP5387CP).
Applications:	Western blot (1 µg/ml). Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	SP5387P detects the 6-histidine (6X-HIS) epitope tag sequence. Epitope tagging is a powerful and versatile strategy for detecting and purifying proteins expressed by cloned genes. To utilize this feature, protein expression vectors are typically engineered with a nucleotide sequence that encodes the peptide epitope tag. The gene of interest is cloned in-frame relative to the tag and, upon expression, the protein of interest is synthesized as a fusion protein with the peptide tag. Fusion protein detection and/or purification is mediated by highly specific antibodies to the engineered peptide, thus eliminating the need for antibodies to proteins from each newly cloned gene. Commonly used epitope tags include glutathione-S-transferase (GST), c-myc, 6-histidine (6X-His), FLAG, green fluorescent protein (GFP), maltose binding protein (MBP), influenza A virus haemagglutinin (HA), b-galactosidase, and GAL4.
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing. Shelf life: on