

HA-tag

Cat.No. 245 003CpH; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen, fluorescence-labeled with CypHer5E. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Either add 1:1 (v/v) glycerol, then aliquot and store at -20°C until use, or store aliquots at -80°C without additives. Reconstitute immediately upon receipt! Avoid bright light when working with the antibody to minimize photo bleaching of the fluorescent dye.
Applications	WB: N/A IP: N/A ICC: 1 : 200 up to 1 : 500 IHC: not tested yet IHC-P/FFPE: not tested yet
Label	CypHer5E
Immunogen	Synthetic peptide corresponding to AA 98 to 108 from human HA-tag
Specificity	Specific for HA-tag, hemagglutinin.
matching control	245-0P
Remarks	This antibody is suitable for internalization studies when GFP is fused to an epitope residing in the lumen of an acidic compartment. The pH sensitive dye regains its fluorescence after the acidification of the targeted cellular compartment.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The surface glycoprotein hemagglutinin (HA) of the human influenza virus is essential for the infectivity of the virus. The **HA-tag** corresponds to amino acids 98-106 of this protein and has been widely used as an epitope tag in protein expression vectors. It can be employed for the detection and immunisolation of proteins using immunoblotting, immunoprecipitation and immunostaining methods and has been shown to have only neglectable influence on the biological properties of the tagged protein.

Selected General References

Epitope tag mapping of the extracellular and cytoplasmic domains of the rat parathyroid hormone (PTH)/PTH-related peptide receptor.

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The HeLa 200 kDa U5 snRNP-specific protein and its homologue in Saccharomyces cerevisiae are members of the DEXH-box protein family of putative RNA helicases.

Lauber J, Fabrizio P, Teigelkamp S, Lane WS, Hartmann E, Luhrmann R
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Epitope tagging permits cell surface detection of functional CFTR.

Howard M, DuVall MD, Devor DC, Dong JY, Henze K, Frizzell RA
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Human ubiquitin-activating enzyme, E1. Indication of potential nuclear and cytoplasmic subpopulations using epitope-tagged cDNA constructs.

Handley-Gearhart PM, Stephen AG, Trausch-Azar JS, Ciechanover A, Schwartz AL
The Journal of biological chemistry (1994) 269(52): 33171-8.

Expression and localization of two low molecular weight GTP-binding proteins, Rab8 and Rab10, by epitope tag.

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Proceedings of the National Academy of Sciences of the United States of America (1993) 90(14): 6508-12.