

SM3146P**Monoclonal Antibody to DYKDDDDK Epitope Tag - Purified**

Alternate names:	D-tag, ECS Epitope Tag, ECS-tag, FLAG Epitope Tag, FLAG-tag
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	F-tag-01
Immunogen:	Synthetic peptide DYKDDDDK conjugated to KLH AA Sequence: DYKDDDDK
Format:	State: Liquid purified Ig fraction (> 95% by SDS-PAGE) Purification: Affinity Chromatography on Protein A Buffer System: Phosphate buffered saline (PBS), pH~7.4, with 15 mM Sodium Azide as preservative.
Applications:	Western blot. Immunoprecipitation. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody F-tag-01 recognizes DDDDK-tagged proteins in all species.
Add. Information:	The small size of this tag and its high hydrophilicity decrease the probability of interference with its expression, proteolytic maturation, antigenicity, localization and function.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Valenta T, Lukas J, Doubravska L, Fafulek B, Korinek V. HIC1 attenuates Wnt signaling by recruitment of TCF-4 and beta-catenin to the nuclear bodies. EMBO J. 2006 Jun 7;25(11):2326-37. Epub 2006 May 25. PubMed PMID: 16724116.

Pictures:

Figure 1C: Merged figures A and B - confirmation of nuclear localization of the fusion protein (cell nuclei stained with DAPI (blue)).

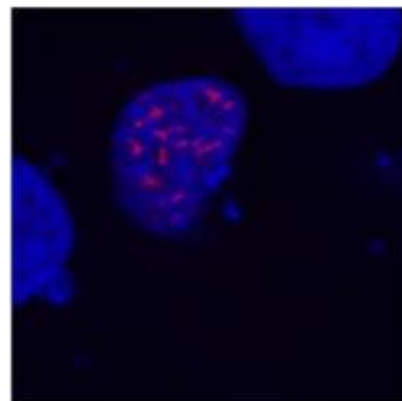
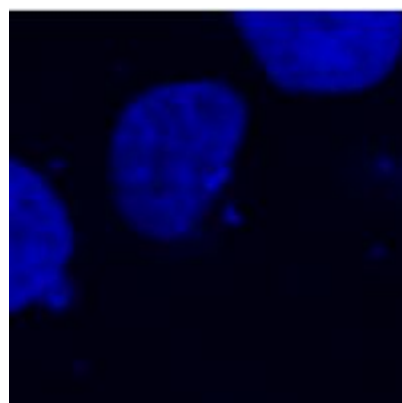


Figure 1B: Cell nuclei stained with DAPI (blue)



Confocal microscopy of COS-7 cells transfected with expression constructs encoding fusion nuclear protein with DDDDK epitope. **Figure 1A:** Fusion nuclear protein (red) stained with purified anti-DDDDK (F-tag-01) (detection by Goat anti-mouse IgG1 Alexa Fluor® 594).

