

Cat. No:	MAB-10418
Conjugate:	Unconjugated
Size:	100 ug
Clone:	F-tag-01
Concentration:	1mg/mL
Host:	Ms
Isotype:	IgG1
Immunogen:	Synthetic peptide: DYKDDDDK conjugated to KLH
Reactivity:	All Species
Applications:	Immunocytochemistry Western Blotting
Purification:	Purified by protein-A affinity chromatography
Background:	The antibody F-tag-01 recognizes DDDDK-tagged proteins in all species. The small size of this tag and its high hydrophilicity decrease the probability of interference with its expression, proteolytic maturation, antigenicity, localization and function.
Form:	Liquid
Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage:	Store at 2-8°C. Do not freeze

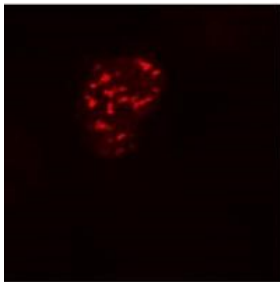


Fig. 1A Fusion nuclear protein
Confocal microscopy of COS-7 cells transfected with expression constructs encoding fusion nuclear protein with DDDDK epitope.
1A - fusion nuclear protein (red) stained with purified anti-DDDDK (F-tag-01) (detection by Goat anti-mouse IgG1 Alexa Fluor® 594)

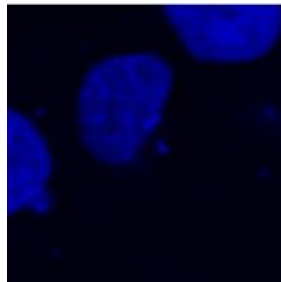
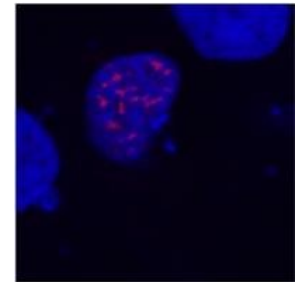


Fig. 1B Cell nuclei
1B - cell nuclei stained with DAPI (blue)



1C - merged figures - confirmation of nuclear localization of the fusion protein; cell nuclei stained with DAPI (blue)

References

*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.

*Lukas J, Mazna P, Valenta T, Doubravska L, Pospichalova V, Vojtechova M, Fafilek B, Ivanek R, Plachy J, Novak J, Korinek V: Dazap2 modulates transcription driven by the Wnt effector TCF-4. *Nucleic Acids Res.* 2009 Mar 20. [Epub ahead of print]

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