

ARG62342 anti-DDDDK tag antibody [FG4R]

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [FG4R] recognizes DDDDK tag (Equivalent to Sigma's anti-FLAG antibodies).
Tested Reactivity	Other
Tested Application	Dot, ELISA, ICC/IF, IP, ISH, WB
Specificity	Recognizes the N-terminal, C-terminal or internal DYKDDDDK-tagged fusion proteins.
Host	Mouse
Clonality	Monoclonal
Clone	FG4R
Isotype	IgG1
Target Name	DDDDK tag
Species	Others
Immunogen	DYKDDDDK (FLAG) synthetic peptide conjugated to KLH.
Conjugation	Un-conjugated

Application Instructions

Application table	Application	Dilution
	Dot	Assay-dependent
	ELISA	Assay-dependent
	ICC/IF	1:500 - 1:2000
	IP	Assay-dependent
	ISH	Assay-dependent
	WB	1:1000 - 1:5000

Application Note The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

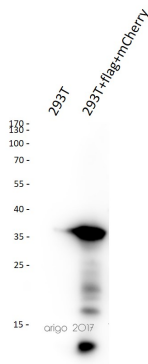
Form	Liquid
Purification	Protein A Purified
Purification Note	Protein A affinity chromatography from mouse ascites fluid.
Buffer	10mM PBS (pH 7.2) and 0.05% Sodium azide.
Preservative	0.05% Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Full Name	DDDDK Epitope Tag
Background	<p>Epitope tags provide a method to localize gene products in a variety of cell types, study the topology of proteins and protein complexes, identify associated proteins, and characterize newly identified, low abundance or poorly immunogenic proteins when protein specific antibodies are not available. Tagging with xxxDDDDK may be done at the N-terminus, N-terminus preceded by a methionine residue, C-terminus, and in internal positions of the target protein. The small size of the epitope tag and its high hydrophilicity tend to decrease the possibility of interference with protein expression, proteolytic maturation, antigenicity and function. The enterokinase cleavage site allows it to be completely removed from the purified fusion proteins.</p> <p>Cleavage catalyzed by Cu²⁺ ions of the C-terminal xxxDDDDK from a fusion protein has been reported (Humphreys, D.P., et al., 1999). A sequence motif with five out of eight amino acid residues identical to the xxxDDDDK is found in both rat and mouse Mg²⁺ dependent protein b-phosphatase, as well as in the human and bovine enzyme.</p>
Highlight	<p>Related products:</p> <p>DDDDK antibodies; DDDDK Duos / Panels; Anti-Mouse IgG secondary antibodies;</p>
Research Area	Controls and Markers antibody; Tag Internal Control antibody

Images



ARG62342 anti-DDDDK antibody [FG4R] WB image

Western blot: 20 µg of 293T and 293T+flag+mCherry cell lysates stained with ARG62342 anti-DDDDK antibody [FG4R] at 1:1000 dilution.