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DDDDK Antibody [1D1B12] (biotin)

Catalog # ASC12045

Product Information

Application	WB, E
Primary Accession	P60709
Other Accession	60
Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Calculated MW	41737
Application Notes	Biotin-DDDDK antibody can be used for detection of DDDDK by Western blot at 0.5 - 1 □/ml.

Additional Information

Gene ID	60
Other Names	Biotin-DDDDK, DDDDK, FLAG, FLAGtag, flag-tag
Precautions	DDDDK Antibody [1D1B12] (biotin) is for research use only and not for use in diagnostic or therapeutic procedures.

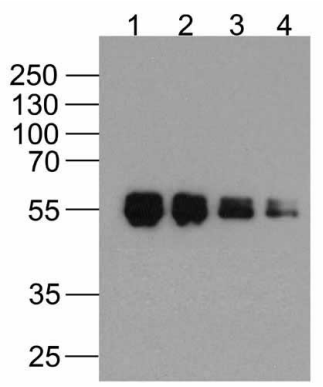
Protein Information

Name	ACTB
Function	Actin is a highly conserved protein that polymerizes to produce filaments that form cross-linked networks in the cytoplasm of cells (PubMed:25255767, PubMed:29581253). Actin exists in both monomeric (G-actin) and polymeric (F-actin) forms, both forms playing key functions, such as cell motility and contraction (PubMed:29581253). In addition to their role in the cytoplasmic cytoskeleton, G- and F- actin also localize in the nucleus, and regulate gene transcription and motility and repair of damaged DNA (PubMed:29925947). Plays a role in the assembly of the gamma-tubulin ring complex (gTuRC), which regulates the minus-end nucleation of alpha-beta tubulin heterodimers that grow into microtubule protafilaments (PubMed:39321809, PubMed:38609661). Part of the ACTR1A/ACTB filament around which the dynactin complex is built (By similarity). The dynactin multiprotein complex activates the molecular motor dynein for ultra-processive transport along microtubules (By similarity).
Cellular Location	Cytoplasm, cytoskeleton. Nucleus Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Background

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. DDDDK-tag is one of the more popular epitope tags for expressed recombinant proteins.

Images



Western blot analysis of (1) 1000ng, (2) 500ng, (3) 250ng, and (4) 125ng of DDDDK-tagged recombinant protein (GGP1) with Biotin-DDDDK-tag antibody at 0.5 µg/ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.