Anti-Flag Tag Polyclonal Antibody

Catalog No.	Size
E022230-01	100µl
E022230-02	500µl
E022230-03	50µl

Specificity	Anti- FLAG Tag
Source	Rabbit Polyclonal
Application	WB IF IP
Form	Liquid, 1 mg/ml

Background Information

Flag tag (also known as DDDDK tag or Anti-D tag) is a polypeptide protein tag that can be added to a protein using Recombinant DNA technology. It can be used for affinity chromatography, then used to separate recombinant, overexpressed protein from wild-type protein expressed by the host organism. It can also be used in the isolation of protein complexes with multiple subunits. The peptide sequence of the Flag tag is as follows: N-DYKDDDDK-C (1012 Da). It can be used in conjunction with other affinity tags for example a polyhistidine tag (His-tag), HA-tag or myc-tag. It can be fused to the C-terminus or the N-terminus of a protein. A Flag tag can be used in many different assays that require recognition by an antibody. Flag antibodies recognize the epitope in certain positions, e.g. exclusively N-terminal or position-insensitive.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Suggested starting dilutions are as follows: Western Blot (1:1000-1:5000) , Immunofluorescence (1:200-1:800). Immunoprecipitation (1:200).

Source and Purification

This polyclonal antibody is produced by immunizing rabbits with a synthetic peptide DYKDDDDK coupled to KLH. Antibodies are purified by protein A affinity chromatography.

Specificity and Sensitivity

Anti- FLAG Tag Polyclonal Antibody recognizes proteins containing FLAG tag fused to either amino- or carboxy-terminus expressed in mammalian cells.

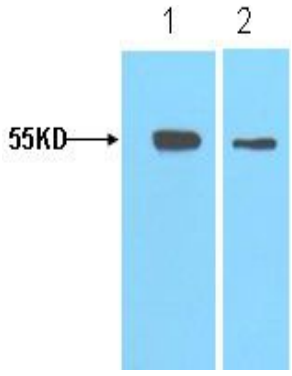
Storage Buffer

PBS, pH 7.4 with 0.05% sodium azide, 50% Glycerol.

Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



Multi Tag Recombinant protein (expressed in E.coli) Primary antibody Anti-FLAG PAB lane 1: 1:5000 lane 2 1:10000