

## Product Datasheet

# DYKDDDDK Tag (FLAG) Antibody Peroxidase Conjugated (orb345855)

<b>Catalog Number</b>	orb345855
<b>Category</b>	Antibodies
<b>Description</b>	DYKDDDDK antibody (Peroxidase)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	HRP
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	1.0 mg/mL
<b>Buffer/Preservatives</b>	Preservative: 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!. Stabilizer: 10 mg/mL Bovine Serum Albumin (rAlbumin) - Immunoglobulin and Protease free; Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Purity</b>	This affinity purified antibody is directed against the FLAG motif and is useful in determining its presence in various assays. This polyclonal anti-FLAG tag antibody detects over-expressed proteins containing the FLAG epitope tag at either the N or C terminus. In western blotting of bacterial extracts the antibody does not cross-react with endogenous proteins.
<b>Immunogen</b>	This antibody was purified from whole rabbit serum prepared by repeated immunizations with the Enterokinase Cleavage Site (ECS) peptide DYKDDDDK (Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys) conjugated to KLH using maleimide. This antibody reacts with FLAG conjugated proteins.

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<b>Tested applications</b>	ELISA, IHC, WB
<b>Dilution range</b>	ELISA: 1:20,000, IHC: 1:500 - 1:2,000, WB: 1:2,000 - 1:5,000
<b>Application notes</b>	<p>This antibody is optimally suited for monitoring the expression of FLAG tagged fusion proteins. As such, this antibody can be used to identify fusion proteins containing the FLAG epitope. The antibody recognizes the epitope tag fused to the amino- and carboxy- termini of targeted proteins. This antibody has been tested by ELISA and western blotting against both the immunizing peptide and FLAG containing recombinant proteins. Although not tested, this antibody is likely functional for immunoprecipitation and immunocytochemistry, and other immunodetection techniques. The epitope tag peptide sequence was first derived from the 11-amino-acid leader peptide of the gene-10 product from bacteriophage T7. Now the most commonly used hydrophilic octapeptide is DYKDDDDK. Biorbyt's polyclonal antibody to detect FLAG conjugated proteins binds FLAG containing fusion proteins with greater affinity than the widely used monoclonal M1, M2 and M5 clones, and shows greater sensitivity in most assays. Affinity purification of the polyclonal antibody results in very low background levels in assays and low cross-reactivity with other cellular proteins.</p>
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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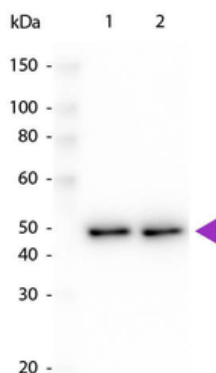
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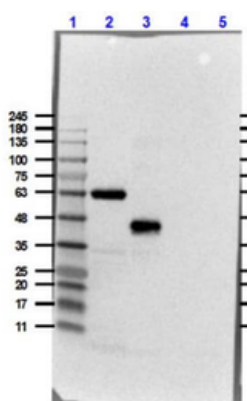
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Western blot of Peroxidase conjugated Rabbit Anti-DYKDDDDK same epitope as Sigma's Anti-FLAG antibody. Lane 1: BAP FLAG C-Term. Lane 2: BAP FLAG N-Term. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Peroxidase rabbit secondary antibody at 1:1000 for 60 min at RT. Blocking: orb348637 for 30 min at RT. Predicted/Observed size: 49 kDa, 49 kDa for BAP FLAG. Other band(s): None.



Western Blot of Peroxidase conjugated Rabbit Anti-DYKDDDDK same epitope as Sigma's Anti-FLAG antibody. Lane 1: Opal Presatined Molecular Weight Marker. Lane 2: FLAG Positive Control Lysate Reduced 5 µg [+]. Lane 3: 12 Epitope Tag Lysate-GST Reduced 5 µg [+]. Lane 4: MBP Reduced 0.1 µg [-]. Lane 5: rGST Reduced 0.1 µg [-]. Primary Antibody: Antibody for the detection of FLAG™ HRP 1.0 µg/ml overnight at 2-8°C. Secondary Antibody: Goat Anti-Rabbit IgG HRP MX10 (p/n orb347654) at 1:70000 for 30 mins at RT. Block: Universal Block Out Buffer (p/n orb348644) 1hr RT. Exposure 1sec.

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