



ANTI-DDK MONOCLONAL ANTIBODY

Catalog Number	TA50011-100, TA50011-1, TA50011-5
Product Name	4C5 Anti-DDK (IgG2a) antibody, produced in mouse
Amount	100 ul, 1 ml, 5 ml
Immunogen	Anti-DDK monoclonal antibody is produced by immunizing mice with a synthetic peptide (DYKDDDDK) coupled to KLH.
Specificity	The anti-DDK (also known as Flag®) antibody recognizes over expressed recombinant proteins containing the DDK epitope tag (DYKDDDDK) fused to either the amino- or carboxy-termini of targeted proteins in transfected mammalian cells or other expression systems.
Concentration	1mg/ml
Formulation	PBS (pH7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Storage/Stability	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 opening the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.
Application	Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Suggested starting dilutions are as follows: Western blot: 1:2000 Immunoprecipitation 1:200 Immunofluorescence 1:1000 Flow cytometry 1:1000

Notes: This product is distributed for laboratory research use only, and is not intended for diagnostic use.

Experimental Data

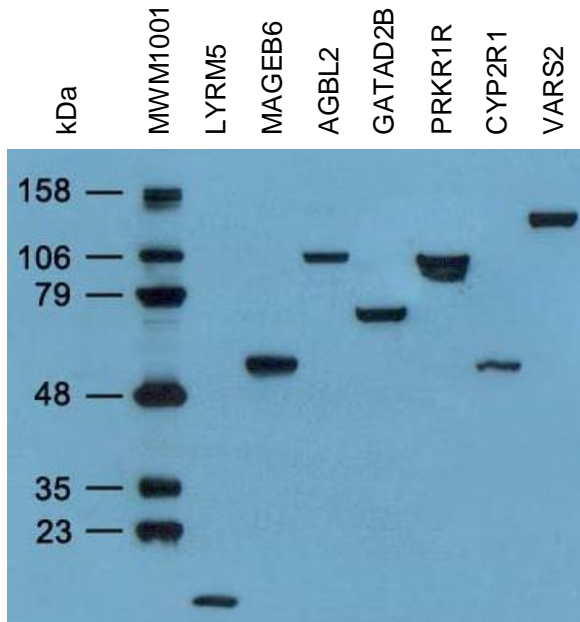


Figure 1: Immunoblot analysis of randomly picked 7 different VERIFY Myc/DDK tagged overexpression lysates and Myc/DDK tagged western molecular weight marker (MWM1001) with TA50011 at 1:2000 dilution.

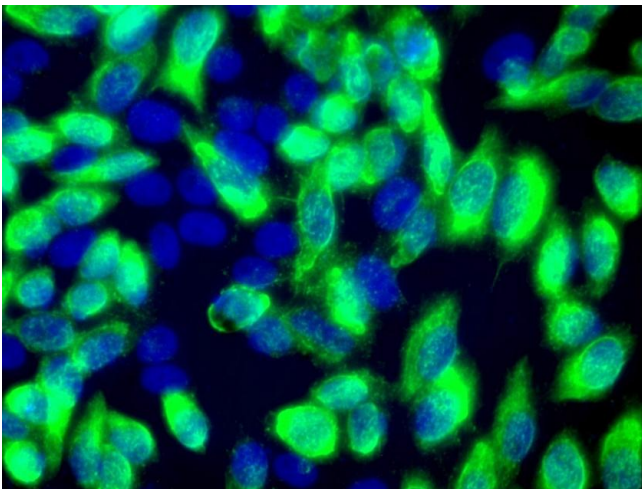


Figure 2. HeLa cells transiently transfected with myc-DDK tagged GFAP ORF cDNA clone were immunostained with 4C5 Anti-DDK antibody (TA50011) (1:1,000 dilution), and then colored in green with Alexa-488 conjugated secondary antibody (1:2,000). The nuclei (Blue) were counter-stained with DAPI.

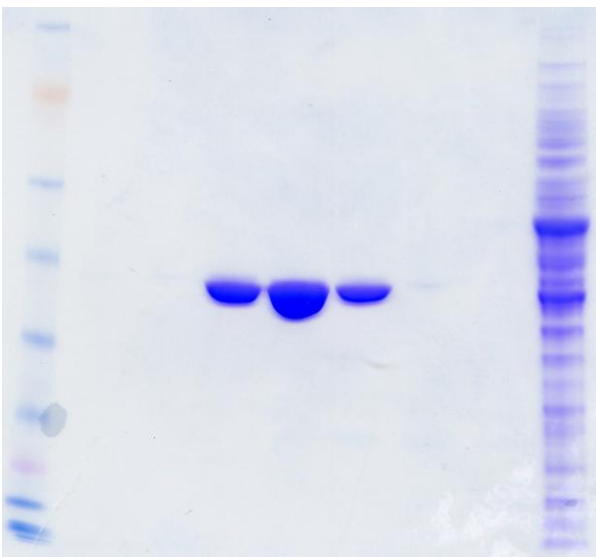


Figure 3. Protein purification of a human protein from over-expression cell lysate with anti-DDK antibody affinity column (TA50011, clone 4C5).

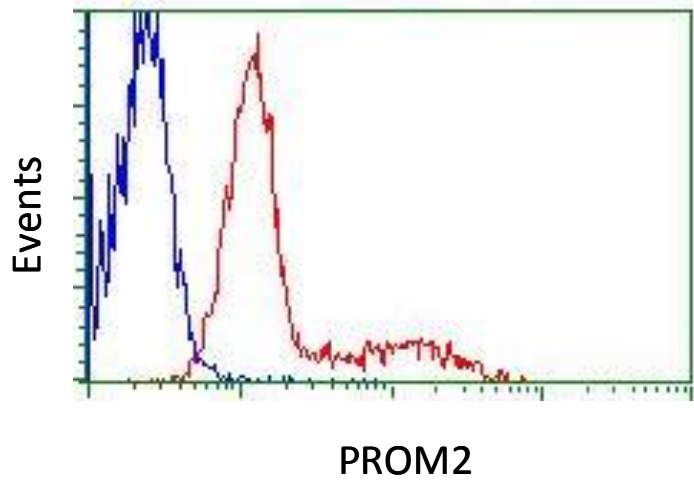


Figure 4. HEK293T cells transfected with either myc-DDK tagged PROM2 ORF overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained with OriGene anti-DDK antibody (TA50011) (1:1,000 dilution), and then analyzed by flow cytometry.