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PRODUCT DATASHEET

Anti-Dynamin (Ser774) Antibody

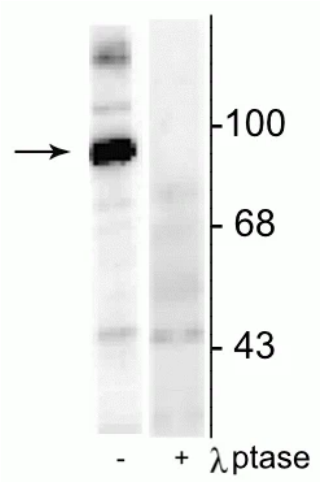
phosphosolutions ANTIBODIES THAT WORK Pooled Serum

Product Details

Available Variants	100 µL (SKU:p1050-774) 25 µL (SKU:p1050-774t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	DNM1
Host Species	Sheep
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	Prepared from pooled sheep serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 WB Brain: 1:1000 ICC: 1:1000
Species Reactivity	Mouse, Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser774 of rat dynamin, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~95 kDa dynamin protein phosphorylated at Ser774. Labels the purified protein phosphorylated in vitro by cdk5 but not by PKC. Does not cross react with other purified substrates of cdk5 (e.g. amphiphysin and synapsin). Immunolabeling is blocked by λ-phosphatase treatment.
Molecular Weight	95 kDa

Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Antibody Registry ID	AB_2492082
UniProt ID	P21575
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Expected Reactivity	Bovine, Canine, Chicken, Human, Non-Human Primate
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser774
NCBI Gene ID	140694

Product Images



Western blot of rat hippocampal lysate stimulated with forskolin showing specific immunolabeling of the ~95 kDa dynamin phosphorylated at Ser774 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by blot treatment with lambda phosphatase (λ-Ptase, 1200 units for 30 min).