

ANP32E Conjugated Antibody

Catalog No: #C37693



Package Size: #C37693-AF350 100ul #C37693-AF405 100ul #C37693-AF488 100ul
 #C37693-AF555 100ul #C37693-AF594 100ul #C37693-AF647 100ul
 #C37693-AF680 100ul #C37693-AF750 100ul #C37693-Biotin 100ul

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Description

Product Name	ANP32E Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total ANP32E protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human acidic (leucine-rich) nuclear phosphoprotein 32 family, member E
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	LANPL; LANP-L
Accession No.	Swiss-Prot#:Q9BTT0NCBI Gene ID:81611NCBI mRNA#:NCBI Protein#:NP_055053/Q8IVT5
Uniprot	Q9BTT0
GeneID	81611;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	31
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
 AF405 conjugated: most applications: 1: 50 - 1: 250
 AF488 conjugated: most applications: 1: 50 - 1: 250
 AF555 conjugated: most applications: 1: 50 - 1: 250
 AF594 conjugated: most applications: 1: 50 - 1: 250
 AF647 conjugated: most applications: 1: 50 - 1: 250
 AF680 conjugated: most applications: 1: 50 - 1: 250
 AF750 conjugated: most applications: 1: 50 - 1: 250

Background

The Anp32 family consists of 32 evolutionarily-conserved proteins and is included within the superfamily of leucine-rich repeat (LRR) proteins. Leucine-rich acidic nuclear protein-like (LANPL), also called ANP32E or Cpd1, is a member of the Anp32 family. LANPL is located in the cytoplasm of peripheral blood leukocytes, colon, small intestine, prostate, thymus, spleen, skeletal muscle, liver and kidney. It has also been detected in the nucleus, cytoplasm and membrane of multiple brain regions. Upon phosphorylation, LANPL colocalizes and inhibits protein phosphatase 2A (PP2A), but does not inhibit PP1. LANPL modulates cell signalling and transduction of gene expression to regulate the morphology and dynamics of the cytoskeleton, cell adhesion, neural development and cerebellar morphogenesis.

Note: This product is for in vitro research use only