

## PHF21A Conjugated Antibody

Catalog No: #C46640



Package Size: #C46640-AF350 100ul #C46640-AF405 100ul #C46640-AF488 100ul  
 #C46640-AF555 100ul #C46640-AF594 100ul #C46640-AF647 100ul  
 #C46640-AF680 100ul #C46640-AF750 100ul #C46640-Biotin 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
 Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	PHF21A Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PHF21A protein.
Immunogen Description	Synthetic protein corresponding to residues near the C terminal of human PHF21A
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	BHC80; BM-006
Accession No.	Swiss-Prot#:Q96BD5NCBI Gene ID:51317NCBI mRNA#:NCBI Protein#:BC015714
Uniprot	Q96BD5
GeneID	51317;
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	75
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

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. PHF21A (PHD finger protein 21A), also known as BRAF35-HDAC complex protein BHC80, is a 680 amino acid nuclear protein that contains one PHD-type zinc finger and one A.T hook DNA-binding domain, suggesting involvement in transcriptional regulation events. PHF21A is a component of the BHC complex, which is responsible for repressing transcription of neuron-specific genes in non-neuronal cells. The BHC complex acts as a chromatin modifier that deacetylates and demethylates specific sites on histones. PHF21A may act as a scaffold within the BHC complex. Predominantly expressed in brain, three isoforms of PHF21A exist as a result of alternative splicing events.

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Note: This product is for in vitro research use only