

## NTF4 Conjugated Antibody

Catalog No: #C38180



Package Size: #C38180-AF350 100ul #C38180-AF405 100ul #C38180-AF488 100ul  
 #C38180-AF555 100ul #C38180-AF594 100ul #C38180-AF647 100ul  
 #C38180-AF680 100ul #C38180-AF750 100ul #C38180-Biotin 100ul

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## Description

Product Name	NTF4 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total NTF4 antibody.
Immunogen Description	Recombinant protein of human NTF4.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	NTF4;NT-4/5;NT4;NT5;NTF5 ;
Accession No.	Swiss-Prot#:P34130NCBI Gene ID:4909
Uniprot	P34130
GeneID	4909;
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	22
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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NT-4 is a member of the structurally related neurotrophin family of proteins, which includes  $\beta$ -NGF, BDNF and NT-3 (1). NT-4 is expressed in a number of cell types and tissues, including neuronal cells, normal breast epithelial cells, melanocytes, activated T cells, and granulocytes (1-5). NT-4 is required for the development of peripheral sensory neurons (6,7). NT-4 may be important for the development of long term memory (8). Increased NT-4 expression in melanoma cells promotes cell proliferation and migration (5). NT-4 is secreted from cells as a precursor protein, which is proteolytically cleaved into the mature form (1). NT-4 signaling is mediated through two distinct receptors, the neurotrophin receptor p75NTR and the Trk tyrosine kinase receptor TrkB. While all neurotrophins bind to the p75NTR receptor, NT-4 preferentially binds to the TrkB receptor (1).

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Note: This product is for in vitro research use only