

Huntingtin Conjugated Antibody

Catalog No: #C49841



Package Size: #C49841-AF350 100ul #C49841-AF405 100ul #C49841-AF488 100ul
 #C49841-AF555 100ul #C49841-AF594 100ul #C49841-AF647 100ul
 #C49841-AF680 100ul #C49841-AF750 100ul #C49841-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	Huntingtin Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AI256365 antibody C430023111Rik antibody HD antibody HD protein antibody HD_HUMAN antibody HDH antibody HTT antibody Huntingtin antibody HUNTINGTON CHOREA antibody Huntington disease protein antibody Huntington's disease protein homolog antibody IT 15 antibody IT15 antibody OTTMUSP00000026909 antibody ZHD antibody
Accession No.	Swiss-Prot#:P42858
Uniprot	P42858
GeneID	3064;
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	347 kDa
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

The huntingtin gene, also called the HTT or HD (Huntington disease) gene, is the IT15 ("interesting transcript 15") gene, which codes for a protein called the huntingtin protein. It is variable in its structure, as the many polymorphisms of the gene can lead to variable numbers of glutamine residues present in the protein. The mass of huntingtin protein is dependent largely on the number of glutamine residues it has, the predicted mass is around 350 kDa. Normal huntingtin is generally accepted to be 3144 amino acids in size. The exact function of this protein is not known, but it plays an important role in nerve cells. Within cells, huntingtin may be involved in signaling, transporting materials, binding proteins and other structures, and protecting against programmed cell death (apoptosis). The huntingtin protein is required for normal development before birth. It is expressed in many tissues in the body, with the highest levels of expression seen in the brain.

Note: This product is for in vitro research use only