C14orf2 Conjugated Antibody

Catalog No: #C43868

Package Size: #C43868-AF350 100ul #C43868-AF405 100ul #C43868-AF488 100ul #C43868-AF555 100ul #C43868-AF594 100ul #C43868-AF647 100ul #C43868-AF680 100ul #C43868-AF750 100ul #C43868-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	C14orf2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total C14orf2 protein.
Immunogen Description	Synthetic peptide of human C14orf2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	MP68;PLPM
Accession No.	Swiss-Prot#:P56378NCBI Gene ID:9556NCBI Protein#:NP_004885
Uniprot	P56378
GeneID	9556;
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
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

C14orf2, also known as MP68, MP68 is a 58 amino acid mitochondrial protein that belongs to the small mitochondrial proteolipid family. The gene encoding MP68 maps to human chromosome 14, which houses over 700 genes and comprises nearly 3.5% of the human genome. Chromosome 14 encodes the presinilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease (AD). The SERPINA1 gene is also located on chromosome 14 and, when defective, leads to the genetic disorder α1-antitrypsin deficiency, which is characterized by severe lung complications and liver dysfunction.

Note: This product is for in vitro research use only