Ferritin Heavy Chain Conjugated Antibody

Catalog No: #C49644

Package Size: #C49644-AF350 100ul #C49644-AF405 100ul #C49644-AF488 100ul #C49644-AF555 100ul #C49644-AF594 100ul #C49644-AF647 100ul #C49644-AF680 100ul #C49644-AF750 100ul #C49644-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Ferritin Heavy Chain 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	Apoferritin antibody Cell proliferation inducing gene 15 protein antibody Cell proliferation-inducing gene 15 protein antibody F HC antibody Ferritin H subunit antibody Ferritin heavy chain antibody Ferritin heavy polypeptide 1 antibody FHC antibody FRIH antibody FRIH_HUMAN antibody FTH 1 antibody FTH antibody FTH1 antibody FTH1 protein antibody FTHL 6 antibody FTHL6 antibody Iron overload autosomal dominant antibody MGC104426 antibody N-terminally processed antibody OK/SW-cl.84 antibody PIG 15 antibody PIG15 antibody Placenta immunoregulatory factor antibody PLIF antibody Proliferation inducing gene 15 protein antibody Proliferation inducing protein 15 antibody
Accession No.	Swiss-Prot#:P02794
Uniprot	P02794
GeneID	2495;
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	21 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

Mammalian ferritins consist of 24 subunits made up of two types of poly-peptide chains, ferritin heavy chain and ferritin light chain, which each have unique functions. Ferritin heavy chains catalyze the first step in iron storage, the oxidation of FeII, whereas ferritin light chains promote the nucleation of ferrihydrite, enabling storage of FeIII. The most prominent role of mamma-lian ferritins is to provide iron-buffering capacity to cells. In addition to iron buffering, heavy chain ferritin is also involved in the regulation of thymidine biosynthesis via increased expression of cytoplasmic serine hydroxymethyltransferase, which is a limiting factor in thymidylate synthesis in MCF-7 cells. Light chain ferritin is involved in cataracts by at least two mechanisms: hereditary hyperferritinemia cataract syndrome, in which light chain ferritin is overexpressed; and oxidative stress, an important factor in the development of aging-related cataracts.

Note: This product is for in vitro research use only