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Zuschläge

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Product Number	ARP54620_P050-Biotin
Product Page	www.avivasysbio.com/fth1-antibody-middle-region-biotin-arp54620-p050-biotin.html
Name	FTH1 Antibody - middle region : Biotin (ARP54620_P050-Biotin)
Protein Size (# AA)	183 amino acids
Molecular Weight	21kDa
Conjugation	Biotin
NCBI Gene Id	2495
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Ferritin, heavy polypeptide 1
Alias Symbols	FHC, FTH, HFE5, PLIF, FTHL6, PIG15
Peptide Sequence	Synthetic peptide located within the following region: NVNQSLLELHKLATDKNDPHLCDFIETHYLNQVKAIKELGDHVTNLRKM
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Sammarco, M.C., (2008) J. Biol. Chem. 283 (8), 4578-4587
Description of Target	FTH1 is the heavy subunit of ferritin, the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferritin proteins are associated with several neurodegenerative diseases. This gene encodes the heavy subunit of ferritin, the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferritin proteins are associated with several neurodegenerative diseases. This gene has multiple pseudogenes. Several alternatively spliced transcript variants have been observed, but their biological validity has not been determined. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	SDCBP; FTL; FTH1; WDYHV1; CEP57; AURKB; TP53; AURKA; ASB15; ASB16; SUPT16H; SET; MAPK9; MAX; IGSF8; TICAM2; HCVgp1; PIAS4; CDC16; YWHAE; SOX5; MYL3; LBP; KPNA2; GRB2; DAXX; CSNK2B; CDC25A; ATP6V1B1; CD99; SPP1; TRAF4; SUMO2; UBC; Cep55; Trim28; NR113; NR3
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-FTH1 (ARP54620_P050-Biotin) antibody
Additional Information	IHC Information: Paraffin embedded human kidney tissue, tested with an antibody dilution of 5 ug/ml.
Blocking Peptide	For anti-FTH1 (ARP54620_P050-Biotin) antibody is Catalog # AAP54620 (Previous Catalog # AAPP31411)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human FTH1
Uniprot ID	P02794
Protein Name	Ferritin heavy chain

Publications	Potrykus, J. et al. Fungal Iron Availability during Deep Seated Candidiasis Is Defined by a Complex Interplay Involving Systemic and Local Events. PLoS Pathog. 9, e1003676 (2013). IHC, Rat, Human, Horse, Rabbit, Guinea pig, Mouse, Dog, Goat, Bovine, Sheep 24146619
Sample Type Confirmation	FTH1 is supported by BioGPS gene expression data to be expressed in HeLa
Protein Accession #	NP_002023
Purification	Affinity Purified
Nucleotide Accession #	NM_002032
Gene Symbol	FTH1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Sheep
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 100%; Goat: 93%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 93%
Image 1	

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