363

FTH1 (D1D4) Rabbit mAb



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Applications: V, W-S, IP, IHC-P	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 21	Source/Isotype: Rabbit IgG	UniProt ID: #P02794	Entrez-Gene Io 2495	
Product Usage Information		Application Dilution					
		Western Blotting			1:1000		
		Simple Western™			1:10 - 1:5	0	
		Immunoprecipitation			1:50		
		Immunohistochemistry (Paraffin)			1:200 - 1:800		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity/Sensitivity		FTH1 (D1D4) Rabbit mAb recognizes endogenous levels of total FTH1 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human FTH1 protein.					
				miairi iiri proteiii.			
Background		Ferritin is a ubiquitous sequestering and stor often referred to as a ~450 kDa, consisting (FTH) and ferritin light storage, the oxidation of Fe(III) (4). In addition levels indicate the ammarkedly elevated in its sequested in its constant of the sequest in its constant of the sequested in its constant of the sequest in its constant of the sequested in its constant of the sequest of the sequested in its constant of the seques	s and highly conser ring iron in a non-to nanocage, can stor of 24 subunits made t chain (FTL), each ha of Fe(II), whereas Fon to iron buffering, ount of iron stored inflammation, maliginal possess	ved protein that plays a xic and bioavailable forre up to 4,500 atoms of ite up of two types of poly aving unique functions. TLs promote the nuclea FTH also enhances thyrin the body and is the mancy, and iron overloa also associated with sev	m (1). The assemble on (2,3). It forms a peptide chains: fer FTHs catalyze the f tion of ferrihydrite, nidine biosynthesis ost sensitive test for disorders (6). Res	ed ferritin molecule holoenzyme of ritin heavy chain irst step in iron enabling storage (5). Serum ferritin or anemia. It is earch studies have	

Species Reactivity Species

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **W-S:** Simple Western™ **IP:** Immunoprecipitation **IHC-P:** Immunohistochemistry

(Paraffin)

Cross-Reactivity Key

H: Human M: Mouse R: Rat Mk: Monkey

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