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FTMT Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI15312

Product Information

Application	WB
Primary Accession	Q8N4E7
Other Accession	NM_177478, NP_803431
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Guinea Pig, Horse, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27538

Additional Information

Gene ID	94033
Alias Symbol	MTF
Other Names	Ferritin, mitochondrial, 1.16.3.1, FTMT
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-FTMT antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	FTMT Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

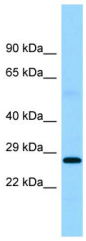
Name	FTMT (HGNC:17345)
Function	Catalyzes the oxidation of ferrous iron(II) to ferric iron(III) and stores iron in a soluble, non-toxic, readily available form (PubMed:11323407, PubMed:15201052). Important for iron homeostasis (PubMed:11323407, PubMed:15201052). Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation (PubMed:11323407, PubMed:15201052).
Cellular Location	Mitochondrion.
Tissue Location	Detected in testis and erythroleukemia. Expression is very low or not detectable in brain, colon, heart, kidney, liver, lung, muscle, placental, spleen

and small intestine

References

Levi S.,et al.J. Biol. Chem. 276:24437-24440(2001).
Langlois d'Estaintot B.,et al.J. Mol. Biol. 340:277-293(2004).

Images



WB Suggested Anti-FTMT Antibody Titration: 1.0 µg/ml
Positive Control: Placenta

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.