OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA326438

ATP7B Mouse Monoclonal Antibody [Clone ID: S62-29]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S62-29
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide amino acids 3-21 (cytoplasmic N-terminus) of human Copper-transporting ATPase2
Formulation:	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	ATPase copper transporting beta
Database Link:	NP_000044 Entrez Gene 11979 MouseEntrez Gene 24218 RatEntrez Gene 540 Human P35670
Background:	The copper efflux transporters ATP7A and ATP7B sequester intracellular copper into the vesicular secretory pathway for export from the cell. ATP7b is an important protein for copper transport and elimination of excess copper from the body. ATP7b transports metals in and out of cells using ATP. There are 3 known isoforms of the ATP7b gene; A is found in the liver, kidney, and brain, the shorter form B is found in brain tissue, and the third isoform, known as WND/140 KDA is found in mitochondria. Mutations in the ATP7b gene can cause Wilsons disease, an inherited disorder causing copper poisoning in the brain and liver, characterized by neurological symptoms and hepatic damage.
Synonyms:	PWD; WC1; WD; WND
Note:	Detects ~160kDa in rat brain membrane preparations

View online »

Protein Families: Druggable Genome, Transmembrane