AB-NN215-2

Copper Transporting ATPase 2 (ATP7B) Antibody

Pan-specific monoclonal antibody (S62-29) for monitoring the expression of human Copper Transporting ATPase 2

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	ATP7B protein
Alias:	ATP7B, ATPase Cu++ transporting beta polypeptide, ATPase Cu(2+) transporting beta polypeptide, Copper pump 2, Copper transporting ATPase 2, PWD, Toxic milk, tx, WC1, WD, Wilson disease associated protein, WND, WND/140 kDa
UniProt ID:	B7ZLR4 - Human
Human Predicted Mass (KDa):	151.875 (1417 AA; B7ZLR4-1)
Observed SDS-PAGE Mass (KDa):	160

Immunogen

Antibody Immunogen Source:	Synthetic peptide amino acids 3-21 (cytoplasmic N-terminus) of human Copper-transporting ATPase2

Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB | IHC | IP
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human | Mouse | Rat
Antibody Positive Control:	1 µg/ml of SMC-399 was sufficient for detection of Copper-transporting ATPase2 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~160 kDa protein in rat brain membrane preparations.
Antibody Specificity:	High
Antibody Cross Reactivities:	Three minor cross-reactive proteins in mouse brain lysates.