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anti-GPN1 antibody



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Quantity:	100 μg	
Target:	GPN1	
Reactivity:	Human	
Host:	Mouse	
Clonality:	Monoclonal	
Application:	Western Blotting (WB), ELISA, Coating (Coat)	
Product Details		
Immunogen:	Recombinant full-length human GPN1 protein	
Clone:	GPN1-2350	
Isotype:	IgG1 kappa	
Specificity:	GPN1 is involved in protein synthesis events. It is expressed ubiquitously with highest	
	expression in testis. It binds to the RNA polymerase II- (Poll II) associated proteins RPAP1-3 and	
	to XPA (a protein involved in DNA repair mechanisms), thereby forming an interface with Poll II.	
	Via this interaction, GPN1 is thought to mediate the involvement of Pol II in both protein	
	complex formation and protein chaperone/ scaffolding activities. In addition, GPN1 interacts	
	with components of the integrator and molecular chaperone complexes, further implicating	
	GPN1 in protein assembly. GPN1 contains a cluster of acidic amino acids in its C-terminal	
	region and a series of sequences similar to those found in GTP-binding proteins in its N-	
	terminal region, suggesting that GPN1 has possible GTPase activity.	
Cross-Reactivity (Details): Human.		

Product Details Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G. Target Details GPN1 Target: Alternative Name **GPN1 (GPN1 Products)** Background: ATP(GTP) binding protein (ATPBD1A), GPN-loop GTPase 1, GPN1, MBD2-interacting protein (MBDin), NTPBP, RNA polymerase II associated protein 4 (RPAP4), XPA-binding protein 1 (XAB1) GTPase, GPN1 / XAB1 (DNA Repair & Protein Synthesis) Cellular localisation: Cytoplasmic & Nuclear Molecular Weight: 42kDa Gene ID: 11321, 18259 **Application Details** Known_Application: ELISA (For coating, order antibody without BSA), Western Blot (1-2 µg/mL), Application Notes: Optimal dilution for a specific application should be determined. Positive_Control: Pancreas, Testis, Thyroid or Bladder. Restrictions: For Research Use only Handling Concentration: 1.0 mg/mL Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide. Preservative: Azide free -20 °C,-80 °C Storage: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. Storage Comment:

24 months

Expiry Date: