

Datasheet for ABIN6939142

anti-GPN1 antibody

3 Images

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Overview

Quantity:	100 µg
Target:	GPN1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GPN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant full-length human GPN1 protein
Clone:	GPN1-2350
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	GPN1
Alternative Name:	GPN1 (GPN1 Products)
Background:	<p>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.</p> <p>Via this interaction, GPN1 is thought to mediate the involvement of Pol II in both protein</p>

Target Details

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.

Molecular Weight: 42kDa

Gene ID: 11321

Application Details

Application Notes: Positive Control: Pancreas, Testis, Thyroid or Bladder.
Known Application: ELISA (For coating, order antibody without BSA), Western Blot (1-2 µg/mL),
Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

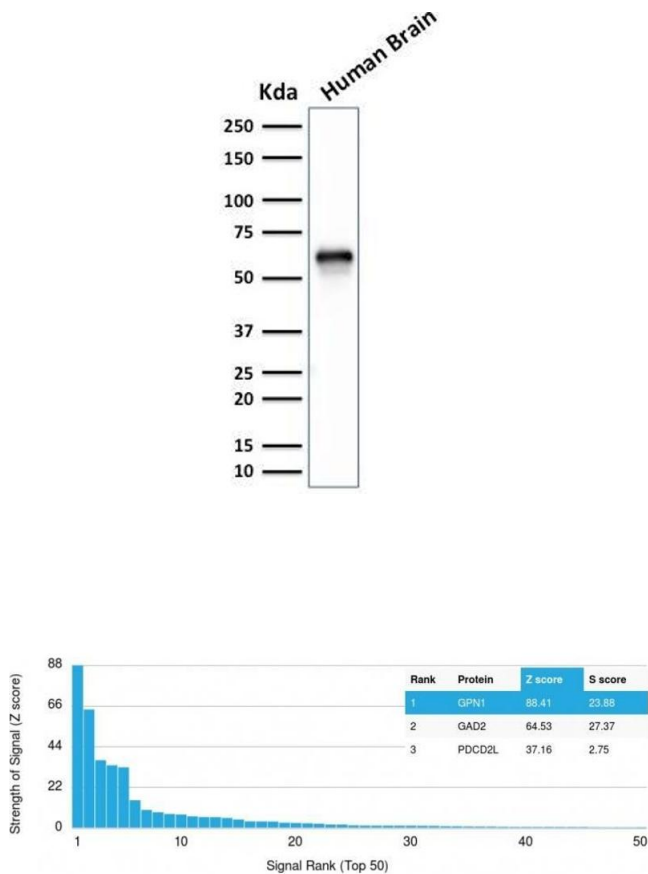
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

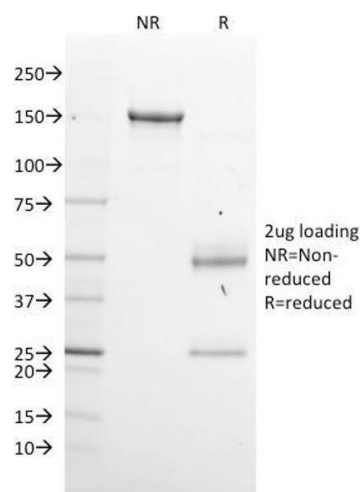


Western Blotting

Image 1. Western Blot Analysis of human Brain tissue lysate using GPN1 Mouse Monoclonal Antibody (GPN1/2350).

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using GPN1 Mouse Monoclonal Antibody (GPN1/2350) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified GPN1 Mouse Monoclonal Antibody (GPN1/2350). Confirmation of Purity and Integrity of Antibody.