Data Sheet (Cat.No.TMAB-09483)

TargetMol

Anti-NIPAL3 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 45 kDa. Actual: 45 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: U937 (Human) Cell Lysate at 30 μg Primary: Anti-NIPAL3 (TMAB-09483) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kD Observed band size: 45 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human NIPAL3
Antigen Species:	Human
Gene ID:	57185
Uniprot ID:	Q6P499

Research Background

NIPAL3 is a 406 amino acid multi-pass membrane protein that belongs to the NIPA family and exists as three alternatively spliced isoforms. The gene that encodes NPAL3 consists of approximately 57,229 bases and maps to human chromosome 1p36. Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1.

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