

Anti-NIPAL2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 41 kDa. Actual: 43 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Stomach (Mouse) Lysate at 40 µg Pancreas (Mouse) Lysate at 40 µg Primary: Anti-NIPAL2 (TMAB-09482) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 41 kD
	2. Sample: Large intestine (Mouse) Lysate at 40 µg Primary: Anti-NIPAL2 (TMAB-09482) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 41 kD Observed band size: 42 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 NIPAL2
Antigen Species:	Human
Gene ID:	79815
Uniprot ID:	Q9H841

Research Background

Non-imprinted in Prader-Willi/Angelman syndrome (NIPA) proteins are highly conserved receptors or transporters. A family known as the NIPA-like domain containing (NPAL) proteins are closely related to the NIPA proteins, but most are uncharacterized and their functions are unknown. NPAL2 (NIPA-like domain containing 2), also known as NIPAL2, is a 368 amino acid multi-pass membrane protein belonging to the NIPA family and is encoded by a gene located on human chromosome 8. Human chromosome 8 consists of nearly 146 million base pairs, houses more than 800 genes and is associated with a variety of diseases and malignancies. Schizophrenia, bipolar disorder, Trisomy 8, Pfeiffer syndrome, congenital hypothyroidism, Waardenburg syndrome and some leukemias and

lymphomas are thought to occur as a result of defects in specific genes that map to chromosome 8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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