

For Research Use Only

# NDFIP2 Polyclonal antibody, PBS Only

Catalog Number: 32043-1-PBS



## Basic Information

<b>Catalog Number:</b> 32043-1-PBS	<b>GenBank Accession Number:</b> NM_019080.2	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54602	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NV92	
<b>Isotype:</b> IgG	<b>Full Name:</b> Nedd4 family interacting protein 2	
<b>Immunogen Catalog Number:</b> AG36480	<b>Calculated MW:</b> 36kDa 336aa	
	<b>Observed MW:</b> 39 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

NDFIP2 (Nedd4 family interacting protein 2) is a gene encoding a membrane-anchored adapter protein involved in a variety of cellular processes. It regulates protein ubiquitination and degradation by binding to the Nedd4 family of E3 ubiquitin ligases. NDFIP2 has a wide intracellular distribution, including the Golgi, mitochondria, and perinuclear region of the cytoplasm. Its function involves negative regulation of gene expression, negative regulation of protein transport, and positive regulation of protein ubiquitination. In addition, NDFIP2 is associated with a variety of diseases, such as supratentorial ventricular meningiomas in children. In the cardiovascular field, NDFIP2 affects cardiac electrophysiologic function by regulating the degradation of hERG potassium channels. It is also involved in the immune response, affecting T cell function by regulating cytokine signaling pathways. In oncology, NDFIP2 has been found to affect the antiviral response by targeting IFITM3.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

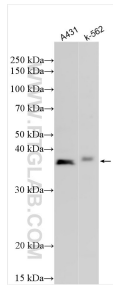
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32043-1-AP (NDFIP2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32043-1-PBS in a different storage buffer formulation.