

For Research Use Only

# GAB2-Specific Polyclonal antibody

Catalog Number: 20088-1-AP



## Basic Information

<b>Catalog Number:</b> 20088-1-AP	<b>GenBank Accession Number:</b> NM_012296	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 133 µg/ml	<b>GeneID (NCBI):</b> 9846	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UQC2	
<b>Isotype:</b> IgG	<b>Full Name:</b> GRB2-associated binding protein 2	
	<b>Calculated MW:</b> 74 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

GAB2, also named as KIAA0571 and pp100, belongs to the GAB family. The GRB-associated binder (Gab) family is a family of adaptor proteins recruited by a wide variety of receptor tyrosine kinases (RTKs) such as EGFR, HGFR, insulin receptor, cytokine receptor and B cell antigen receptors. Upon stimulation of RTKs by their cognate ligand, Gab is recruited to the plasma membrane where it is phosphorylated and functions as a scaffold. GAB2 is an adapter protein which acts downstream of several membrane receptors including cytokine, antigen, hormone, cell matrix and growth factor receptors to regulate multiple signaling pathways. It regulates osteoclast differentiation mediating the TNFRSF11A/RANK signaling. In allergic response, it plays a role in mast cells activation and degranulation through PI-3-kinase regulation. GAB2 is also involved in the regulation of cell proliferation and hematopoiesis. This antibody is specific to GAB2.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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## Selected Validation Data