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Datasheet for ABIN681178

## anti-GAB2 antibody (AA 601-676)

1 Image

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### Overview

Quantity:	100 µL
Target:	GAB2
Binding Specificity:	AA 601-676
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAB2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Gab2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	GAB2
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## Target Details

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Alternative Name: [Gab2 \(GAB2 Products\)](#)

Background: Synonyms: GRB2-associated-binding protein 2, GRB2-associated binder 2, Growth factor receptor bound protein 2-associated protein 2, pp1, GAB2, KIAA571  
Background: Adapter protein which acts downstream of several membrane receptors including cytokine, antigen, hormone, cell matrix and growth factor receptors to regulate multiple signaling pathways. 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. Also involved in the regulation of cell proliferation and hematopoiesis.

Gene ID: 9846

UniProt: [Q9UQC2](#)

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [BCR Signaling](#), [Warburg Effect](#)

## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
FCM 1:20-100  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

## Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

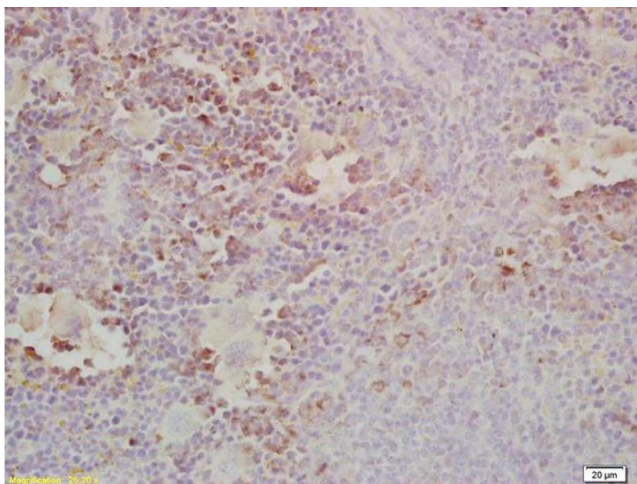
## Publications

Product cited in: Hu, Liao, Xu, Ruan, Gao: "K48-Linked Ubiquitination Contributes to Nicotine-Augmented Bone Marrow-Derived Dendritic-Cell-Mediated Adaptive Immunity." in: **Vaccines**, Vol. 9, Issue 3, (2021) ([PubMed](#)).

You, Xu, Zhang, Chen, Gao: "PYR-41 and Thalidomide Impair Dendritic Cell Cross-Presentation by Inhibiting Myddosome Formation and Attenuating the Endosomal Recruitments of p97 and Sec61 via NF-κB Inactivation." in: **Journal of immunology research**, Vol. 2018, pp. 5070573, (2018) ([PubMed](#)).

Zhan, Xu, Chen, Wang, Yanfeng, Dan, Zhan, Shi: "Decreased expression of Gab2 in patients with temporal lobe epilepsy and pilocarpine-induced rat model." in: **Synapse (New York, N.Y.)**, Vol. 68, Issue 4, pp. 168-77, (2014) ([PubMed](#)).

## Images



### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded mouse spleen labeled with Anti-Gab2 Polyclonal Antibody, Unconjugated (ABIN681178) at 1:200, followed by conjugation to the secondary antibody and DAB staining