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Datasheet for ABIN1713801  
**anti-GADL1 antibody (AA 51-150)**

### Overview

Quantity:	100 µL
Target:	GADL1
Binding Specificity:	AA 51-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GADL1 antibody is un-conjugated
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GADL1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Bee
Purification:	Purified by Protein A.

### Target Details

Target:	GADL1
Alternative Name:	GADL1 ( <a href="#">GADL1 Products</a> )

## Target Details

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**Background:** Synonyms: GADL1, GADL1\_HUMAN, Glutamate decarboxylase like 1, Glutamate decarboxylase-like protein 1, MGC138191, OTTHUMP00000161199, OTTHUMP00000222306.

Background: There are two forms of glutamic acid decarboxylases (GADs) that exist in brain: GAD-65 (also known as GAD2) and GAD-67 (also known as GAD1, GAD or SCP). GAD-65 and GAD-67 are members of the group II decarboxylase family of proteins and are responsible for catalyzing the rate limiting step in the production of GABA (gamma-aminobutyric acid) from L-glutamic acid. Although both GADs are found in brain, GAD-65 localizes to synaptic vesicle membranes in nerve terminals, while GAD-67 is distributed throughout the cell. GAD-67 is responsible for the basal levels of GABA synthesis. In the case of a heightened demand for GABA in neurotransmission, GAD-65 transiently activates to assist in GABA production. As a member of the group II decarboxylase family, GADL1 (Glutamate decarboxylase-like protein 1) is a 521 amino acid protein that utilizes pyridoxal phosphate as a cofactor for its carboxylase activity. There are two isoforms of GADL1 that exist as a result of alternative splicing events.

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**Gene ID:** 339896

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## Application Details

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**Application Notes:** ELISA 1:500-1000  
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  
ICC 1:100-500

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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

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**Preservative:** ProClin

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

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## Handling

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Storage: 4 °C,-20 °C

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

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Expiry Date: 12 months