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Datasheet for ABIN1715147  
**anti-Gliadin antibody (AA 231-296)**

### Overview

Quantity:	100 µL
Target:	Gliadin
Binding Specificity:	AA 231-296
Reactivity:	Plant, Wheat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Gliadin antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from wheat Gliadin
Isotype:	IgG
Cross-Reactivity:	Plant
Cross-Reactivity (Details):	wheat
Purification:	Purified by Protein A.

### Target Details

Target:	Gliadin
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## Target Details

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Abstract: [Gliadin Products](#)

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Background: Synonyms: Celiac disease, GDA6\_WHEAT, Alpha/beta-gliadin clone PW1215, Prolamin  
Background: Gliadin is a glycoprotein that, along with glutenin, plays a role in the formation of gluten, an ergastic amorphous mixture of proteins found in wheat, rye, and barley. Gluten is responsible for the elasticity of kneaded dough, which allows it to be leavened. Gliadin is approximately 60 % soluble in ethanol and contains only intramolecule disulfide links. Gliadin is also found in a variety of foods as well as in beer, along with the glycoprotein Hordein. Induction of zonulin release in intestinal epithelial cells is triggered by Gliadin. This causes an activation of the zonulin pathway by PKC mediated cytoskeleton reorganization and tight junction opening leads to a rapid increase in intestinal permeability to macromolecules. Individuals with disorders such as celiac disease or Crohn's disease are sensitive to Gliadin since they lack the enzyme necessary for its digestion and can not tolerate it in their diet.

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UniProt: [P04726](#)

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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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Storage: 4 °C, -20 °C

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## Handling

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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