

Datasheet for ABIN6991582  
**anti-HIGD1A antibody (N-Term)**



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## Overview

Quantity:	0.1 mg
Target:	HIGD1A
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIGD1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC)

## Product Details

Immunogen:	HIG1 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human HIG1. The immunogen is located within the first 50 amino acids of HIG1.
Isotype:	IgG
Specificity:	HIG1 antibody is predicted to not cross-react with HIG2
Purification:	HIG1 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	HIGD1A
Alternative Name:	<a href="#">HIG1 (HIGD1A Products)</a>
Background:	HIG1 Antibody: HIG1 and HIG2 (Hypoxia-inducible gene 1 and 2, respectively) are known to be

## Target Details

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induced by hypoxic conditions. HIG1 is induced by hypoxia and by glucose deprivation in cultured cells. In addition, tumor xenografts derived from human cervical cancer cells display increased expression of HIG1 and HIG2 when they are deprived of oxygen. Unlike HIG2, which is ubiquitously expressed and might be an activator and target of the canonical Wnt pathway, the function and the mechanisms underlying its regulation of HIG1 still remained unknown. The putative link between hypoxia and an oncogenic signaling pathway might play an important role in tumorigenesis.

Gene ID: 25994

NCBI Accession: [NP\\_001093138](#)

UniProt: [Q9Y241](#)

## Application Details

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Application Notes: HIG1 antibody can be used for detection of HIG1 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL. For immunofluorescence start at 10 µg/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

Buffer: HIG1 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

Storage: -20 °C, 4 °C

Storage Comment: HIG1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.