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Datasheet for ABIN7154133

**anti-CHAC1 antibody (AA 43-264) (HRP)**

## Overview

Quantity:	100 µg
Target:	CHAC1
Binding Specificity:	AA 43-264
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHAC1 antibody is conjugated to HRP
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Glutathione-specific gamma-glutamylcyclotransferase 1 protein (43-264AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	CHAC1
Alternative Name:	CHAC1 ( <a href="#">CHAC1 Products</a> )
Background:	Background: Catalyzes the cleavage glutathione into 5-oxoproline and a Cys-Gly dipeptide. Acts

## Target Details

specifically on glutathione, but not on other gamma-glutamyl peptides. Glutathione depletion is an important factor for apoptosis initiation and execution (PubMed:23070364). Acts as a pro-apoptotic component of the unfolded protein response pathway by mediating the pro-apoptotic effects of the ATF4-ATF3-DDIT3/CHOP cascade (PubMed:19109178). Negative regulator of Notch signaling pathway involved in embryonic neurogenesis: acts by inhibiting Notch cleavage by furin, maintaining Notch in an immature inactive form, thereby promoting neurogenesis in embryos (PubMed:22445366).

Aliases: Blocks Notch protein antibody, Botch antibody, Cation transport regulator like protein 1 antibody, Cation transport regulator-like protein 1 antibody, ChaC antibody, ChaC cation transport regulator homolog 1 antibody, ChaC cation transport regulator like 1 antibody, chac1 antibody, CHAC1\_HUMAN antibody, Gamma GCT acting on glutathione homolog 1 antibody, Gamma-GCG 1 antibody, Glutathione-specific gamma-glutamylcyclotransferase 1 antibody

UniProt: [Q9BUX1](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.