

Datasheet for ABIN6260455  
**anti-CAPZA1 antibody (Internal Region)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	CAPZA1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAPZA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human CAPZA1, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	CAPZA1 Antibody detects endogenous levels of total CAPZA1.
Predicted Reactivity:	Bovine,Horse,Sheep,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	CAPZA1
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## Target Details

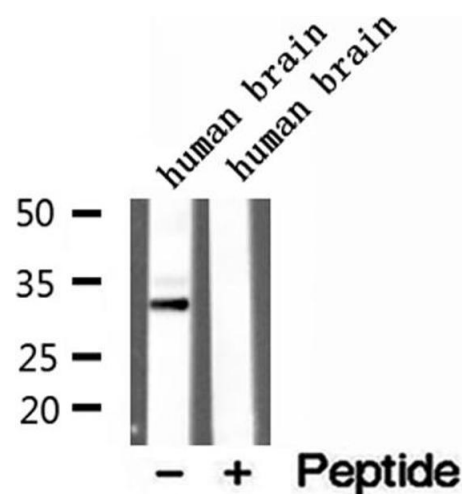
Alternative Name:	CAPZA1 ( <a href="#">CAPZA1 Products</a> )
Background:	<p>Description: F-actin-capping proteins bind in a Ca<sup>2+</sup>-independent manner to the fast growing ends of actin filaments (barbed end) thereby blocking the exchange of subunits at these ends. Unlike other capping proteins (such as gelsolin and severin), these proteins do not sever actin filaments. May play a role in the formation of epithelial cell junctions.</p> <p>Gene: CAPZA1</p>
Molecular Weight:	33kDa
Gene ID:	829
UniProt:	<a href="#">P52907</a>
Pathways:	<a href="#">Regulation of Actin Filament Polymerization</a>

## Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only

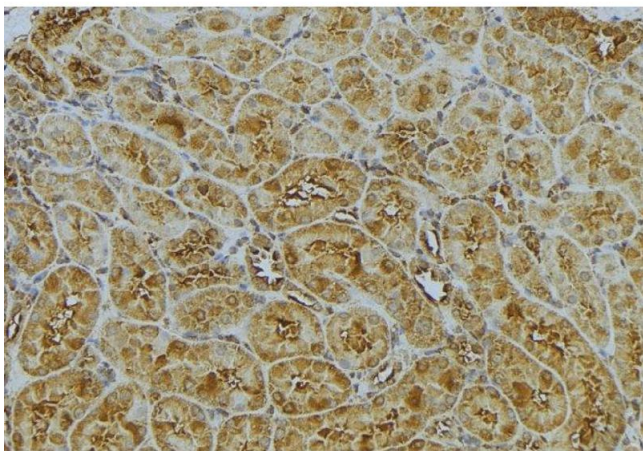
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



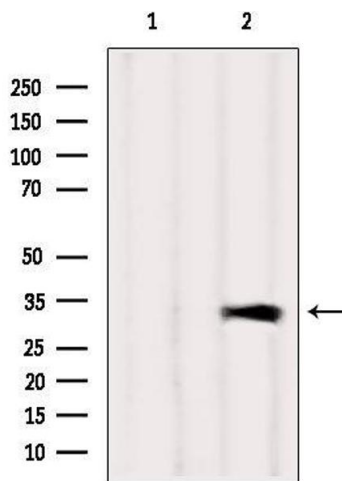
Western Blotting

**Image 1.** Western blot analysis of extracts of human brain tissue, using CAPZA1 antibody.



Immunohistochemistry

**Image 2.** ABIN6272989 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



Western Blotting

**Image 3.** Western blot analysis of extracts from Mouse brain, using CAPZA1 Antibody. The lane on the left was treated with blocking peptide.