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## Datasheet for ABIN6256871 anti-IQGAP1 antibody (N-Term)

3 Images



## Overview

Quantity:	100 µL
Target:	IQGAP1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IQGAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human IQGAP1, corresponding to a region within N- terminal amino acids.
lsotype:	lgG
Specificity:	IQGAP1 Antibody detects endogenous levels of total IQGAP1.
Predicted Reactivity:	Pig,Bovine,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

## Target Details

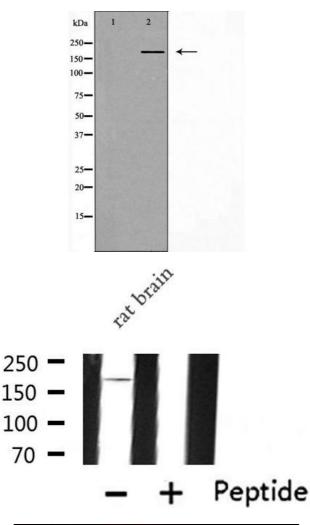
Target:

IQGAP1

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Target Details	
Alternative Name:	IQGAP1 (IQGAP1 Products)
Background:	Description: Plays a crucial role in regulating the dynamics and assembly of the actin cytoskeleton. Binds to activated CDC42 but does not stimulate its GTPase activity. It associates with calmodulin. Could serve as an assembly scaffold for the organization of a multimolecular complex that would interface incoming signals to the reorganization of the actin cytoskeleton at the plasma membrane. May promote neurite outgrowth (PubMed:15695813). May play a possible role in cell cycle regulation by contributing to cell cycle progression after DNA replication arrest (PubMed:20883816). Gene: IQGAP1
Molecular Weight:	190 kDa
Gene ID:	8826
UniProt:	P46940
Pathways:	Signaling Events mediated by VEGFR1 and VEGFR2
Application Details	
Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
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

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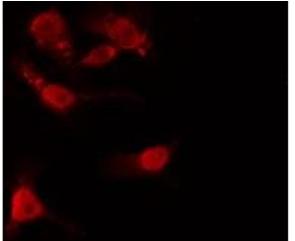


### Western Blotting

**Image 1.** Western blot analysis of extracts from HeLa cells, using IQGAP1 antibody.The lane on the left is treated with the antigen-specific peptide.

#### Western Blotting

**Image 2.** Western blot analysis of IQGAP1 expression in Rat brain lysate



#### Immunofluorescence (fixed cells)

**Image 3.** ABIN6275452 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25jaC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at  $37_{i}$ aC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod

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