

Datasheet for ABIN7043292  
**anti-IQGAP1 antibody (Intracellular)**

## 3 Images

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## Overview

Quantity:	0.2 mL
Target:	IQGAP1
Binding Specificity:	AA 793-808, Intracellular
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IQGAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KAYQDRLAYLRSHKDE, corresponding to amino acid residues 793 - 808 of human IQGAP1
Isotype:	IgG
Characteristics:	Anti-IQGAP1 Antibody (ABIN7043292, ABIN7045192 and ABIN7045193)) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize IQGAP1 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

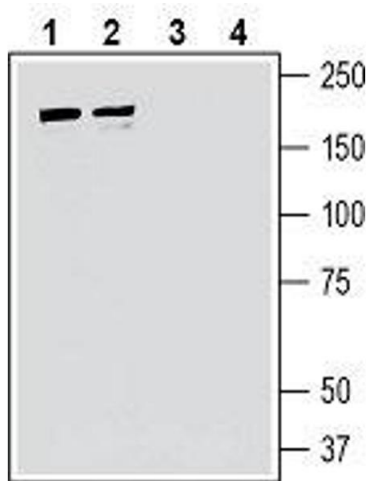
Target:	IQGAP1
Alternative Name:	IQGAP1 ( <a href="#">IQGAP1 Products</a> )
Background:	Alternative names: IQ Motif Containing GTPase Activating Protein 1, Ras GTPase-Activating-Like Protein IQGAP1, p195
Gene ID:	8826
NCBI Accession:	<a href="#">NM_003870</a>
UniProt:	<a href="#">P46940</a>
Pathways:	<a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

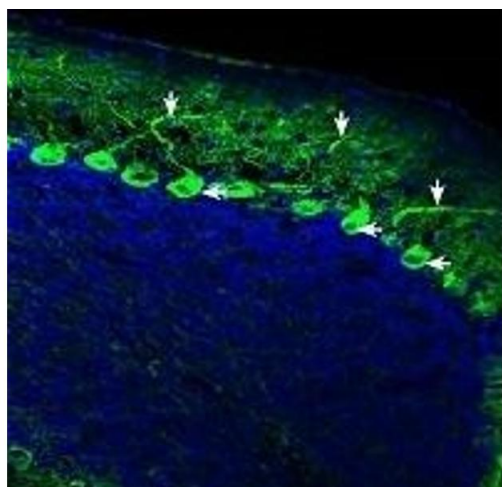
## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



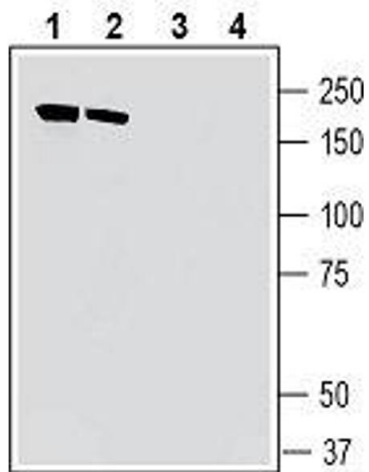
#### Western Blotting

**Image 1.** Western blot analysis of human Jurkat T-cell leukemia cell line lysate (lanes 1 and 3) and human MCF-7 breast adenocarcinoma cell line lysate (lanes 2 and 4): - 1, 2. Anti-IQGAP1 Antibody (ABIN7043292, ABIN7045192 and ABIN7045193), (1:200). 3, 4. Anti-IQGAP1 Antibody, preincubated with IQGAP1 Blocking Peptide (#BLP-PZ055) (#BLP-PZ055).



#### Immunohistochemistry

**Image 2.** Expression of IQGAP1 in mouse cerebellum - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-IQGAP1 Antibody (ABIN7043292, ABIN7045192 and ABIN7045193), (1:200), followed by goat anti-rabbit-AlexaFluor-488. IQGAP1 immunoreactivity appears in Purkinje neurons (horizontal arrows) and their dendrites (vertical arrows). Cell nuclei are stained with DAPI (blue).



#### Western Blotting

**Image 3.** Western blot analysis of mouse brain membranes (lanes 1 and 3) and rat brain membranes (lanes 2 and 4): - 1, 2. Anti-IQGAP1 Antibody (ABIN7043292, ABIN7045192 and ABIN7045193), (1:200). 3, 4. Anti-IQGAP1 Antibody, preincubated with IQGAP1 Blocking Peptide (#BLP-PZ055) (#BLP-PZ055).