

Datasheet for ABIN7042878

**anti-AKAP12 antibody (C-Term, Intracellular)****2** Images[Go to Product page](#)

## Overview

Quantity:	50 µL
Target:	AKAP12
Binding Specificity:	AA 1639-1652, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKAP12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)GNLTKESPDTNGPK, corresponding to amino acid residues 1639-1652 of mouse AKAP12
Isotype:	IgG
Characteristics:	Anti-AKAP12 Antibody (ABIN7042878, ABIN7045178 and ABIN7045179)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize Gravin from mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

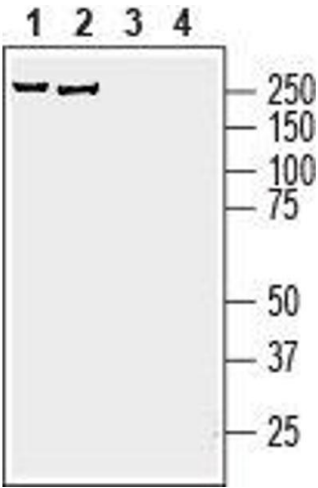
Target:	AKAP12
Alternative Name:	AKAP12 ( <a href="#">AKAP12 Products</a> )
Background:	Alternative names: AKAP12, A-kinase anchoring protein 12, A-kinase anchor protein 250 kDa, AKAP250, Gravin, Myasthenia gravis autoantigen gravin, Src-suppressed C kinase substrate, SSeCKS
Gene ID:	83397
NCBI Accession:	<a href="#">NM_001370346</a>
UniProt:	<a href="#">Q9WTQ5</a>
Pathways:	<a href="#">cAMP Metabolic Process</a>

## Application Details

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

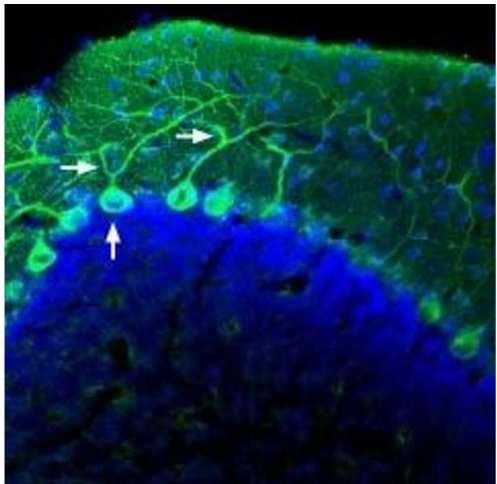
## Handling

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 rat brain membranes (lanes 1 and 3) and mouse brain lysate (lanes 2 and 4): - 1,2. Anti-AKAP12 Antibody (ABIN7042878, ABIN7045178 and ABIN7045179), (1:200).3,4. Anti-AKAP12 Antibody, preincubated with AKAP12 Blocking Peptide (#BLP-PZ033).



Immunohistochemistry

**Image 2.** Expression of AKAP12 in rat cerebellum - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-AKAP12 Antibody (ABIN7042878, ABIN7045178 and ABIN7045179), (1:400), followed by goat anti-rabbit-AlexaFluor-488. AKAP12 immunoreactivity (green) is detected in Purkinje cells and their dendritic trees (arrows). Cell nuclei are stained with DAPI (blue).