

Datasheet for ABIN499914
anti-GPR3 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	GPR3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	GPR3 antibody was raised against a 13 amino acid peptide from near the carboxy terminus of human GPR3.
Isotype:	IgG
Specificity:	This antibody reacts to GPR3.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	GPR3
Alternative Name:	GPR3 / ACCA (GPR3 Products)

Target Details

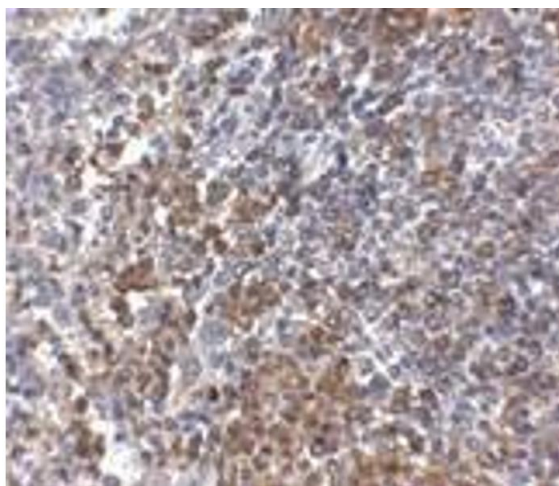
Background:	GPR3, also known as ACCA, is a G-protein coupled receptor that constitutively activates adenylate cyclase and is highly expressed in the central nervous system. Overexpression of GPR3 stimulates the production of amyloid- β peptide (Ab), the deposition of which is one of the pathological hallmarks of Alzheimer's disease (AD), while the ablation of GPR3 prevented the accumulation of Ab in vitro and in an AD mouse model. This is of particular interest because of the proximity of a reported candidate Alzheimer's disease (AD) locus, suggesting that GPR3 may be a potential therapeutic target for the treatment of AD. GPR3 has also been shown to block the proliferation of cerebellar granule cell precursors (GCP) during postnatal development by inhibiting the Shh-induced proliferation of GCP, indicating that GPR3 activation may represent one of the signals that triggers the postnatal cell cycle exit and terminal differentiation of GPCs.Synonyms: ACCA orphan receptor, G-protein coupled receptor 3
Gene ID:	2827
UniProt:	P46089
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	ELISA. Western Blot: 1 - 2 μ g/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

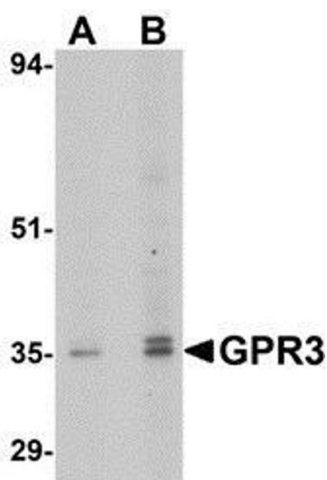
Handling

Buffer:	PBS containing 0.02 % 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:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of GPR3 in human spleen tissue with GPR3 antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of GPR3 in EL4 cell lysate with GPR3 antibody at (A) 1 and (B) 2 µg/ml.