

Datasheet for ABIN6259788

anti-ADAMTS4 antibody (Internal Region)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ADAMTS4
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAMTS4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human ADAMTS4, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	ADAMTS4 Antibody detects endogenous levels of total ADAMTS4.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	ADAMTS4
---------	---------

Target Details

Alternative Name:	ADAMTS4 (ADAMTS4 Products)
Background:	<p>Description: Cleaves aggrecan, a cartilage proteoglycan, and may be involved in its turnover. May play an important role in the destruction of aggrecan in arthritic diseases. Could also be a critical factor in the exacerbation of neurodegeneration in Alzheimer disease. Cleaves aggrecan at the '392-Glu-I-Ala-393' site.</p> <p>Gene: ADAMTS4</p>
Molecular Weight:	90kDa
Gene ID:	9507
UniProt:	075173

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

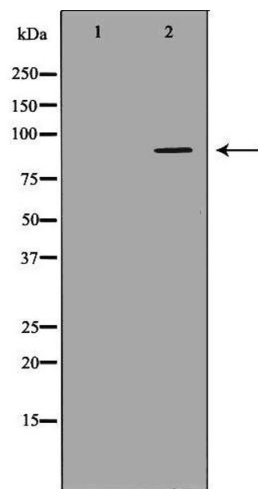
Handling

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

Publications

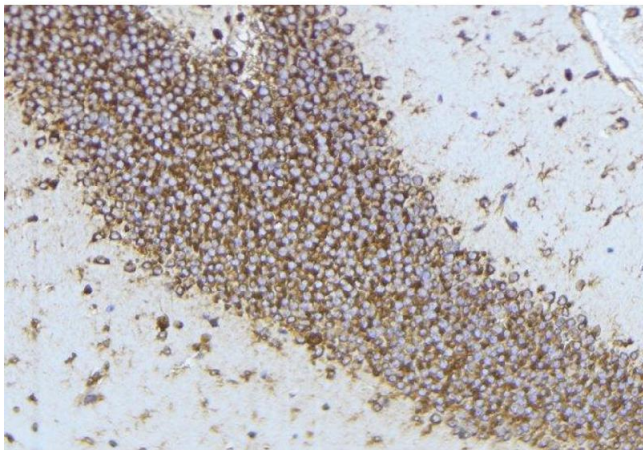
Product cited in:	Wen, You, Wang, Meng, Feng, Yang: "Polarization of Microglia to the M2 Phenotype in a Peroxisome Proliferator-Activated Receptor Gamma-Dependent Manner Attenuates Axonal Injury Induced by Traumatic Brain Injury in Mice." in: Journal of neurotrauma , (2018) (PubMed).
-------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Images



Western Blotting

Image 1. Western blot analysis of extracts of HeLa cell line, using ADAMTS4 antibody, the lane on the left is blocked by antigen peptide.



Immunohistochemistry

Image 2. ABIN6277245 at 1/100 staining Mouse brain 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