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Datasheet for ABIN519163

anti-PRKAA1 antibody (AA 451-550)

4 Images

Overview

Quantity:	100 µg
Target:	PRKAA1
Binding Specificity:	AA 451-550
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PRKAA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant PRKAA1.
Immunogen:	PRKAA1 (AAH12622, 451 a.a. ~ 550 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	LQLYQVDSRT YLLDFRSIDD EITEAKSGTA TPQRSGSVSN YRSCQRSDD AEAQGSSEV SLTSSVTSLD SSPVDLTPRP GSHTIEFFEM CANLIKILAQ
Clone:	4D9
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	PRKAA1
Alternative Name:	PRKAA1 (PRKAA1 Products)
Background:	Full Gene Name: protein kinase, AMP-activated, alpha 1 catalytic subunit Synonyms: AMPK,AMPKa1,MGC33776,MGC57364
Gene ID:	5562
NCBI Accession:	NM_006251
Pathways:	AMPK Signaling , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process , Warburg Effect

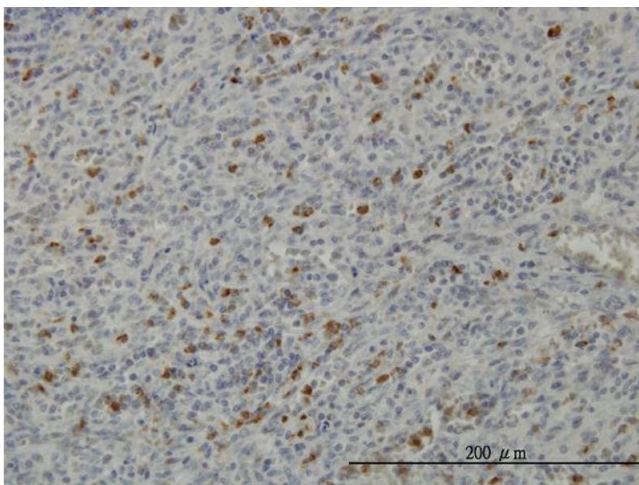
Application Details

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

Handling

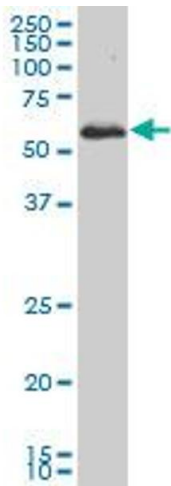
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Images



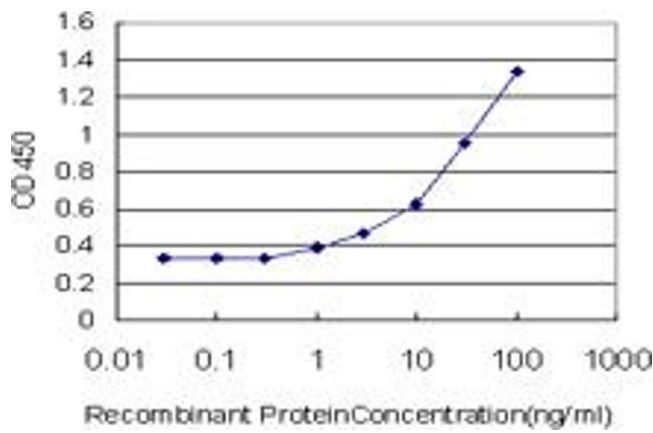
Immunostaining

Image 1. Immunoperoxidase of monoclonal antibody to PRKAA1 on formalin-fixed paraffin-embedded human spleen. [antibody concentration 3 ug/ml]



Western Blotting

Image 2. PRKAA1 monoclonal antibody (M02), clone 4D9 Western Blot analysis of PRKAA1 expression in K-562 .



ELISA

Image 3. Detection limit for recombinant GST tagged PRKAA1 is approximately 3ng/ml as a capture antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN519163.