

Datasheet for ABIN5611226
anti-PRKAB2 antibody (AA 1-120)[Go to Product page](#)

7 Images

Overview

Quantity:	0.1 mg
Target:	PRKAB2
Binding Specificity:	AA 1-120
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human PRKAB2 (AA: 1-120) expressed in E. coli.
Clone:	8F5B2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PRKAB2
Alternative Name:	PRKAB2 (PRKAB2 Products)
Background:	The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular

Target Details

energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit may be a positive regulator of AMPK activity. It is highly expressed in skeletal muscle and thus may have tissue-specific roles. Multiple alternatively spliced transcript variants have been found for this gene.

Molecular Weight:	30.3 kDa
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Gene ID:	5565
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HGNC:	5565
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Pathways:	AMPK Signaling , Warburg Effect
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400, IHC: 1:200 - 1:1000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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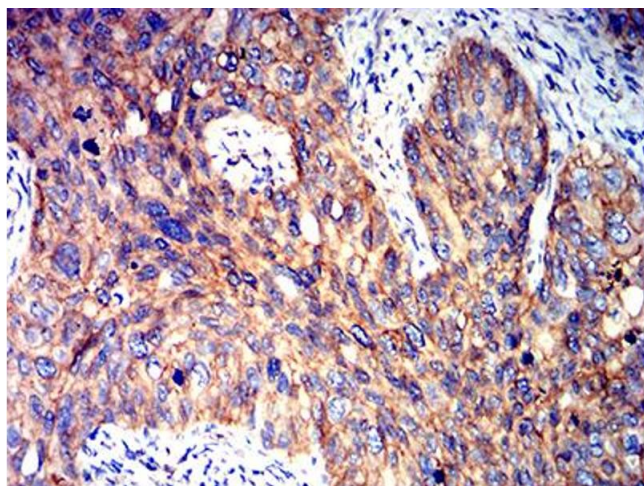
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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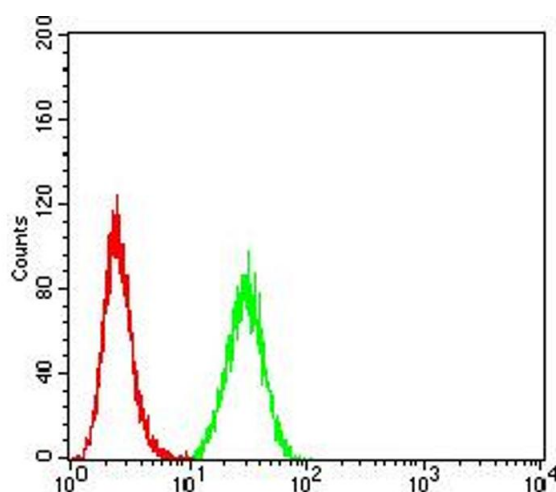
Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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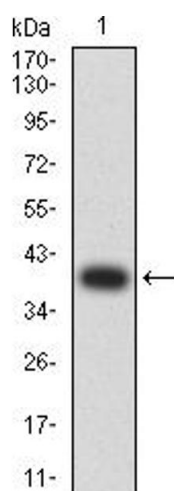
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using PRKAB2 mouse mAb with DAB staining.



Flow Cytometry

Image 2. Flow cytometric analysis of HeLa cells using PRKAB2 mouse mAb (green) and negative control (red).



Western Blotting

Image 3. Western blot analysis using PRKAB2 mAb against human PRKAB2 (AA: 1-120) recombinant protein. (Expected MW is 39 kDa)

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN5611226.