

## Datasheet for ABIN968950

**anti-AIF antibody**

9 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	AIF (AIFM1)
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AIF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

## Product Details

Immunogen:	Purified recombinant fragment of human AIF expressed in E. coli.
Clone:	4-00E-07
Isotype:	IgG2b
Purification:	purified

## Target Details

Target:	AIF (AIFM1)
Alternative Name:	AIF ( <a href="#">AIFM1 Products</a> )
Background:	Description: This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells, and it is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it affects

## Target Details

chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Mutations in this gene cause combined oxidative phosphorylation deficiency 6, which results in a severe mitochondrial encephalomyopathy. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 10

Aliases: AIFM1, AIF, PDCD8, COXPD6, MGC111425

Molecular Weight: 67 kDa

Gene ID: 9131

HGNC: 9131

Pathways: [Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#), [Cell Redox Homeostasis](#), [Smooth Muscle Cell Migration](#), [Warburg Effect](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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/-20 °C

Storage Comment: 4°C, -20°C for long term storage

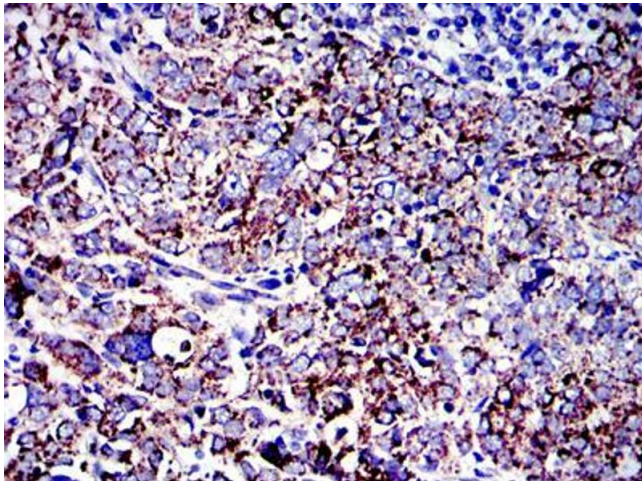
## Publications

Product cited in: Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in: **Journal of cell science**, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) ([PubMed](#)).

Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in

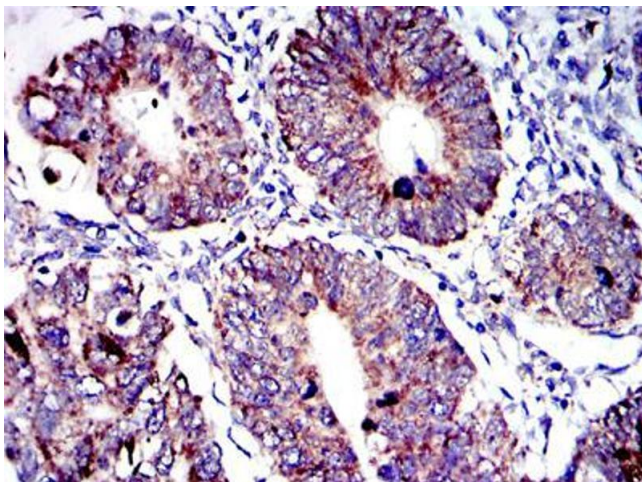
development and disease." in: **Journal of medical genetics**, Vol. 46, Issue 10, pp. 649-56, (2009)  
([PubMed](#)).

Images



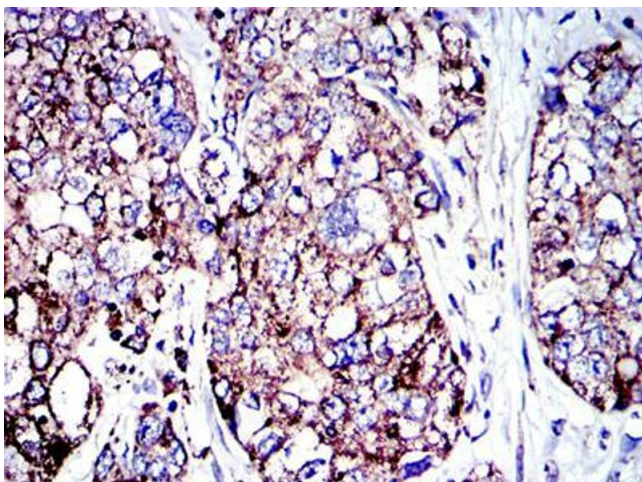
Immunohistochemistry

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



Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using AIF mouse mAb with DAB staining.



Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using AIF mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN968950.