

## DESCRIPTION

|                                                                                                                                                                                                         |                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b>                                                                                                                                                                               | Human                                                                                      |
| <b>Specificity</b>                                                                                                                                                                                      | Detects human PAUF/ZG16B in direct ELISAs and Western blots.                               |
| <b>Source</b>                                                                                                                                                                                           | Monoclonal Mouse IgG <sub>1</sub> Clone # 817310                                           |
| <b>Purification</b>                                                                                                                                                                                     | Protein A or G purified from hybridoma culture supernatant                                 |
| <b>Immunogen</b>                                                                                                                                                                                        | <i>E. coli</i> -derived recombinant human PAUF/ZG16B<br>Gly53-Arg208<br>Accession # Q96DA0 |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm            |
| <b>Formulation</b>                                                                                                                                                                                      | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                               |
| *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |                                                                                            |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| <b>Western Blot</b>         | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b> | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

PAUF (pancreatic adenocarcinoma upregulated factor), gene name ZG16B (zymogen granule protein 16B), is a 156 amino acid, approximately 20-25 kDa secreted protein that is a member of the jacalin-binding lectin family. PAUF expression is thought to be restricted to primates, but the related ZG16P, which shares approximately 25% amino acid sequence identity, is more widely expressed. Human PAUF is overexpressed in pancreatic adenocarcinoma, binds Toll-like receptors TLR2 and TLR4, and inhibits CXCR4-dependent, TLR2-mediated NF-κB activation. It facilitates tumor growth, adhesiveness, and production of pro-tumorigenic cytokines.

## PRODUCT SPECIFIC NOTICES

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