

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PAUF/ZG16B in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 817310
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human PAUF/ZG16B Gly53-Arg208 Accession # Q96DA0
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	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.

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