

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TFPI-2 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 243220
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TFPI-2 Asp23-Phe235 Accession # P48307
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunoprecipitation	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

Human Tissue Factor Pathway Inhibitor 2 (TFPI-2), also known as placental protein 5 (PP5) and retinal pigment epithelial cell factor 1 (REF-1), is a secreted protein with an N-terminal acidic region, three Kunitz (K) domains (amino acids 36 to 86, 96 to 149 and 158 to 208) separated with by two linker regions, and a C-terminal basic region (1-3). It is a Kunitz-type serine protease inhibitor secreted by all cells of the vasculature (endothelial cells, smooth muscle cells, and fibroblasts) into the extracellular matrix (ECM), where it plays a role in the regulation of urokinase/plasmin-mediated ECM turnover. Expression of TFPI-2 is down-regulated in several cancers, which may contribute to tumor progression in these cancers (4).

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