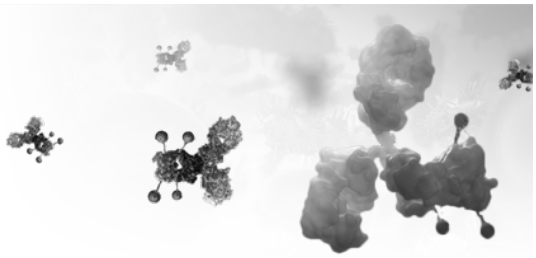

Mouse Anti-PAF1 monoclonal antibody, clone G270-4C3 (CABT-RM176)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects Pancreatic differentiation protein 2 (PD2) in human. It targets an epitope with in 22 amino acids from the C-terminal half.
Target	PAF1
Immunogen	KLH-conjugated linear peptide corresponding to 22 amino acids from the C-terminal half of human Pancreatic differentiation protein 2 (PD2).
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	G270-4C3
Purification	Protein G purified
Conjugate	unconjugated
Applications	ELISA, ICC, IHC, IP, WB
Molecular Weight	59.98 kDa calculated.
Format	Liquid
Size	100 µg
Buffer	PBS
Preservative	None

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Stable for 1 year at -20°C from date of receipt. Handling Recommendations: Upon receipt and prior to removing the cap, centrifuge the vial and gently mix the solution. Aliquot into microcentrifuge tubes and store at -20°C. Avoid repeated freeze/thaw cycles, which may damage IgG and affect product performance.

BACKGROUND

Introduction	Pancreatic differentiation protein 2 is encoded by the PAF1 gene in human. PD2 is a nuclear protein that serves as a subunit of the RNA polymerase II associated factor (PAF) complex. It has multiple functions during transcription by RNA polymerase II. It has been implicated in regulation of development and maintenance of embryonic stem cell pluripotency. It associates with RNA polymerase II through interaction with POLR2A C-terminal domain non-phosphorylated and serine 2 and serine 5 phosphorylated forms. It is involved in transcriptional elongation, acting both independently and synergistically with TCEA1 and in cooperation with the DSIF complex and HTATSF1. Three isoforms of PD2 have been described that are produced by alternative splicing. PD2 has oncogenic property and is shown to be overexpressed in pancreatic cancer cells. In normal murine pancreas, its expression is restricted to acinar cells, however, its expression is increased in the ductal cells of mouse model of pancreatic cancer with advancing age.
Keywords	PAF1; Paf1, RNA polymerase II associated factor, homolog (S. cerevisiae); PD2; F23149_1; RNA polymerase II-associated factor 1 homolog; pancreatic differentiation protein 2

GENE INFORMATION

Entrez Gene ID	54623
UniProt ID	Q8N7H5

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221