

20-1063: Polyclonal antibody to PTPN13/PTPL1 (FAP1)

Clonality :	Polyclonal
Application :	IP,IHC,WB
Reactivity :	Human
Gene :	PTPN13
Gene ID :	5783
Uniprot ID :	Q12923
Format :	Sera
Alternative Name :	PTPN13,PNP1,PTP1E,PTPL1
Isotype :	Rabbit IgG
Immunogen Information :	A recombinant protein of human FAP-1 (amino acids 1279 to 1883) was used as immunogen for this antibody

Description

This antibody recognizes FAP-1, including FAP-1 isoforms; FAP-1 (also known as Fas-associated phosphatase-1, PTPN13, PTP-BAS, hPTPIE, and PTPL1) is a member of the protein tyrosine phosphatase (PTP) family. FAP-1 phosphatase is thought to be important in the Fas signaling pathway. FAP-1 binds to the cytosolic tail of the Fas receptor (Apo1, CD95) and inhibits Fas-induced apoptosis. Increased FAP-1 protein levels in some tumor cell lines and tumor tissues correlates with resistance to Fas-mediated apoptosis. In general, FAP-1 expression has been found to be highest in cell lines and tissues that are relatively resistant to Fas-mediated apoptosis. Gene transfer-mediated elevations in FAP-1 partially abolished Fas-induced apoptosis in a T cell line which is consistent with an inhibitory effect of FAP-1 on Fas signal transductions. Additionally, FAP-1 expression correlates with Fas resistant in ovarian cancer cell lines and FAP-1 is commonly expression in ovarian cancers.

Product Info

Amount :	50 µl
Content :	50 µl sera
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:1000-1:2000, IHC (paraffin): 1:1000-1:5000, IHC (frozen): Users should optimize, IP: 1:50-1:200

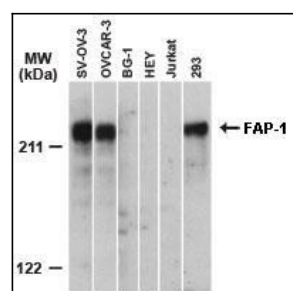


Fig:1 Western blot analysis of FAP-1 using 20-1063 at 1:2000. In ovarian carcinoma cell lines FAP-1 expression was detected in SK-OV-3 and OVCAR-3, but not in BG-1 or HEY. Human Jurkat T and 293 kidney cell lines were used as negative and positive controls, respectively.

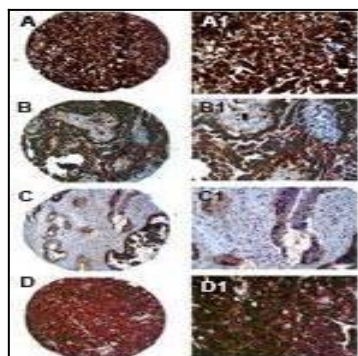


Fig:2 Immunohistochemistry of FAP-1 in formalin-fixed, paraffin embedded ovarian carcinoma cores from a tissue microarray using 20-1063 at 1:2000. A-D, samples are from four different patients. A1-D1 are high magnification images from A-D, respectively. Hematoxylin-eosin counterstain.

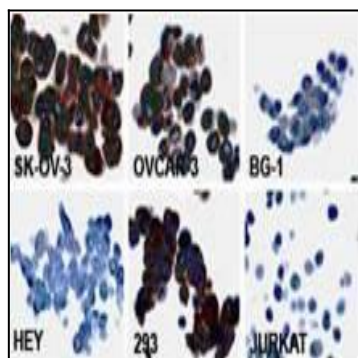


Fig:3 Immunocytochemical analysis of FAP-1 in cell lines using 20-1063 at 1:2000. In ovarian carcinoma cell lines FAP-1 expression was detected in SK-OV-3 and OVCAR-3, but not in BG-1 or HEY. Human 293 kidney and Jurkat T cell lines were used as positive and negative controls, respectively. The staining data correlates with the western blot data (figure to the left).