



MONOCLONAL ANTIBODY

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Catalog No. PRPG-XTP-M01

Anti- XTP1 (2191H11)

BACKGROUND

The RhoGAP family embraces a unique member named XTP1 (also referred to as DEPDC1B, BRCC3 or FLJ11252) and pairing with a homologue denoted SDP35 (also referred to as DEPDC1, DEP8, FLJ20354 or DEPDC1-V2). The structural-functional properties of XTP1 is still largely unknown, but its structural uniqueness resides in the presence of a domain showing homology with Dishwelled, i.e. the DEP domain (Dishwelled/Pleckstrin-like domain). The presence of this domain suggests that XTP1 might engage in more complex molecular interactions than those involving other members of the family. Another peculiar feature of the RhoGAP is represented by its atypical GAP domain, which lacks the orthodox "Arg finger" catalytic motif essential for exerting a canonical GAP function. Whereas most RhoGAP family members are either ubiquitously expressed throughout the body, or are concentrated in discrete tissue/organs, XTP1 is overall remarkably poorly represented in most human adult tissues (as also evidenced by information available through the *Comparative Cancer Genome Project database*). XTP1 is de novo expressed upon neoplastic transformation and remains abundant in many cancer cell lines. Some observations in epithelial tumours suggest that it may act as a cell-cycle regulator.

Product type	Primary antibodies
Immunogen	Recombinant XTP1 (prokaryotic expression system)
Raised in	Mouse
Myeloma	-
Clone number	2191H11
Isotype	IgG1
Host	-
Source	Hybridoma cell culture
Purification	-
Form	Liquid
Storage buffer	Supernatant supplemented with 0.05% NaN ₃
Concentration	ND
Volume	2 mL
Label	Unlabeled
Specificity	XTP1
Cross reactivity	-
Storage	Store at 4°C for short-term storage and -20°C for prolonged storage Aliquot to avoid cycles of freeze / thaw.

Application notes	WB, IHC
Recommended dilutions	<ul style="list-style-type: none">Western blotting : 1/30 – 1/60 (Band at 60 kDa)Immunohistochemistry : 1/25 - 1/75 <Staining Pattern> Poorly expressed in adult tissues. Some staining observed in lung, liver, testis and tonsil. Up-regulated in breast cancer and soft-tissue sarcomas. Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.

References -

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