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Inspiration for Life Science

MONOCLONAL ANTIBODY

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Catalog No. PRPG-SDP-M01

Anti- SDP35 (220D12)

BACKGROUND

The RhoGAP family encompasses a unique member named SDP35 (also referred to as DEPDC1, DEP8, FLJ20354 or DEPDC1-V2) and pairing with a homologue named XTP1 (also referred to as DEPDC1B, BRCC3 or FLJ11252).The structural-functional properties of SDP35 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 SDP35 might engage in more complex molecular interactions than those involving other members of the family. Another peculiar feature of SDP35 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, SDP35 is overall remarkably poorly represented in most human tissues (as also evidenced by information provided through the Comparative Cancer Genome Project database). SDP35 has been reported to be up-regulated in bladder cancer and numerous cancer cell types.

Product type	Primary antibodies
Immunogen	Recombinant SDP35 (prokaryotic expression system)
Rased in	Mouse
Myeloma	-
Clone number	220D12
Isotype	IgG1
Host	-
Source	Hybridoma cell culture
Purification	-
Form	Liquid
Storage buffer	Supernatant supplemented with 0.05% NaN3
Concentration	ND
Volume	2 mL
Label	Unlabeled
Specificity	SDP35
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
- 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 bladder 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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