

Prosapip2 Polyclonal Antibody

Catalog NumberPA5-23223

Product data sheet

| Details            |  | Species Reactivity   |                   |
|--------------------|--|--|-------------------|
| Size               | 100 µg   | Species reactivity   | Human, Mouse, Rat |
| Host/Isotope       | Rabbit / IgG   | Tested Applications  | Dilution *        |
| Class              | Polyclonal   |  |                   |
| Type               | Antibody   |  |                   |
| Immunogen          | A portion of amino acids 300-350 of human SINTBAD/TBKBP1                                     | Immunohistochemistry (Paraffin) (IHC (P))  | 5 µg/mL           |
| Conjugate          | Unconjugated   | Western Blot (WB)  | 0.5-4 µg/mL       |
| Form               | Liquid   | * Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls. |                   |
| Concentration      | 0.5 mg/mL  |  |                   |
| Purification       | Antigen affinity chromatography  |  |                   |
| Storage buffer     | PBS with 0.05% BSA   |  |                   |
| Contains           | 0.05% sodium azide   |  |                   |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |  |                   |

Background/Target Information

Prosapip2 (TBKBP1) is essential for signal transduction during viral infection thus plays a major role in the TNF/NF-kappa-B pathway. It is an adaptor protein that constitutively binds TBK1 (TANK-binding kinase) and IKBKE and may play a role in antiviral innate immunity. Prosapip2 is a 615 amino acid adaptor protein belonging to the fibrillar collagen family, consisting of trimers of identical alpha 1 chains which are linked to each other by interchain disulfide bonds. It has a ubiquitous expression with highest levels in ovary, followed by the neuronal system. Prosapip2 binds to TBK1 and helps in the activation of IRF3 which controls the expression of antiviral genes during infection. Recent studies show that Prosapip2 is an interaction partner of ProSAP2/Shank3 and actin, suggesting a role as a linker molecule between postsynaptic density and the cytoskeleton.

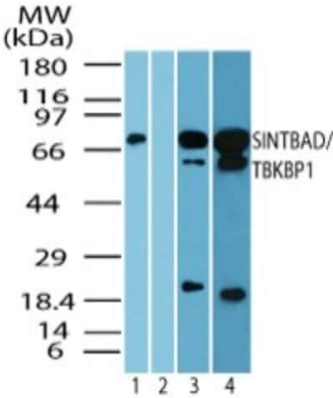
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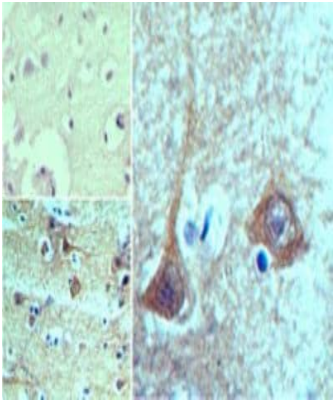
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Product Images For Prosapip2 Polyclonal Antibody



Prosapip2 Antibody (PA5-23223) in WB

Western blot analysis of Prosapip2 in human brain lysate in the 1) absence and 2) presence of immunizing peptide 3) mouse brain and 4) rat brain. Samples were incubated in Prosapip2 polyclonal antibody (Product # PA5-23223) using a dilution of 4.0 µg/mL, 0.5 µg/mL and 1.0 µg/mL, respectively followed by a goat anti-rabbit Ig HRP secondary antibody. PicoTect ECL substrate solution was used for this test.



Prosapip2 Antibody (PA5-23223) in IHC (P)

Immunohistochemical analysis of Prosapip2 in paraffin-embedded formalin-fixed human brain tissue. Samples were incubated in Prosapip2 polyclonal antibody (Product # PA5-23223) using a dilution of 5 µg/mL. Isotype control (top left) and this antibody (bottom left and right (100X)).

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