

Datasheet: VPA00687

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|----------------------|-------------------------|
| Description: | RABBIT ANTI DARPP-32 |
| Specificity: | DARPP-32 |
| Format: | Purified |
| Product Type: | PrecisionAb™ Polyclonal |
| Isotype: | Polyclonal IgG |
| Quantity: | 100 µl |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 1/1000 |

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

| | |
|---------------------------------|--|
| Target Species | Human |
| Species Cross Reactivity | Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species. |
| Product Form | Purified IgG - liquid |
| Preparation | Rabbit polyclonal antibody purified by affinity chromatography on Protein A |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide |
| Immunogen | KLH conjugated synthetic peptide encompassing part of human DARPP-32 (amino acids 106 - 139) |
| External Database Links | <p>UniProt: Q9UD71 Related reagents</p> <p>Entrez Gene: 84152 PPP1R1B Related reagents</p> |
| Synonyms | DARPP32 |

Specificity Rabbit anti Human DARPP-32 antibody recognizes the protein phosphatase 1 regulatory subunit 1B also known as dopamine and cAMP-regulated neuronal phosphoprotein 32.

The PPP1R1B gene encodes a bifunctional signal transduction molecule. Dopaminergic and glutamatergic receptor stimulation regulates its phosphorylation and function as a kinase or phosphatase inhibitor. As a target for dopamine, PPP1R1B may serve as a therapeutic target for neurologic and psychiatric disorders. Multiple transcript variants encoding different isoforms have been found for PPP1R1B (provided by RefSeq, Oct 2011).

Rabbit anti Human DARPP-32 antibody detects a band of 32 kDa. The antibody has been extensively validated for western blotting using mouse brain tissue lysate.

Western Blotting Rabbit anti DARPP-32 detects a band of approximately 32 kDa in mouse brain tissue

Instructions For Use Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Shelf Life As supplied, 12 months from date of despatch.

Acknowledgements PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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