

Datasheet: AHP2730

Description:	RABBIT ANTI IP3R 3
Specificity:	IP3R 3
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 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	■			1/500 - 1/3000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to IP3R 3 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide 50% Glycerol
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1630-1870 of human IP3R 3
External Database Links	UniProt: Q14573 Related reagents

Specificity **Rabbit anti IP3R 3 antibody** recognizes inositol 1,4,5-trisphosphate receptor type 3, also

known as IP3R 3, InsP3R3 and type 3 inositol 1,4,5-trisphosphate receptor. It is an intracellular Ca²⁺ release channel that modulates cellular functions including gene expression and cellular growth ([Patterson et al. 2004](#)). The F-box protein FBXL2 binds IP3R3 and targets it for ubiquitin-, p97- and proteasome-mediated degradation. This limits Ca²⁺ influx into mitochondria ([Kuchay et al. 2017](#)).

Western Blotting	Rabbit anti IP3R 3 antibody detects a band of approximately 300 kDa in HeLa, L02 and HepG2 cell lysates under reducing conditions
Storage	Store at -20°C Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/AHP273010049
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M416513:230302'

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