

Anti-IP₃R1

(inositol 1,4,5-trisphosphate receptor 1)

Product Information:

1) Catalog #:	MSFR103390
Item Name:	IP3R1 pAb (Rb) 20ug
Species :	20μg (affinity-purified with antigen polypeptide)
Size :	Rabbit
Product Code :	IP3R1-Rb-Af860
RRID :	AB_2571780
2) Catalog #:	MSFR103400
Item Name:	IP3R1 pAb (Rb) 50ug
Species :	50μg (affinity-purified with antigen polypeptide)
Size :	Rabbit
Product Code :	IP3R1-Rb-Af860
RRID :	AB_2571780
3) Catalog #:	MSFR103410
Item Name:	IP3R1 pAb (Go) 20ug
Species :	20μg (affinity-purified with antigen polypeptide)
Size :	Goat
Product Code :	IP3R1-Go-Af820
RRID :	AB_2571781
4) Catalog #:	MSFR103420
Item Name:	IP3R1 pAb (Go) 50ug
Species :	50μg (affinity-purified with antigen polypeptide)
Size :	Goat
Product Code :	IP3R1-Go-Af820
RRID :	AB_2571781

Formulation : Liquid ; 200 μg/ml in PBS with 0.05% NaN₃.

Storage : Store at cool temp. (2-10°C)

The antibody can be stored at 2-10°C. The antibody can be also aliquoted and stored at -80°C for long-term storage. Avoid repeated freeze-thawing. Non-hazardous. No MSDS required.

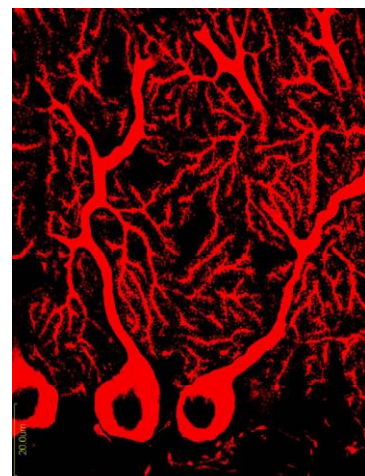
Species : rabbit / goat, polyclonal

Antigen : mouse IP3R1, C-terminal 69 aa
2681-2749 (NM010585)

Specificity : mouse (others not tested)

Immunoblot detects a single protein band at
300~ kDa.

This stains Purkinje cell dendrites and soma
strongly, and weakly in axons.



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Applications : In general, affinity-purified antibody is used at around 1 microgram/ml for immunoblot and immunohistochemistry. The most appropriate concentration should be determined by users, because it depends on contents in given cells, tissues and organs.

Research Use : For research use only, not for use in diagnostic procedures.

Remarks : rabbit and goat antibodies are similar in titer and specificity.

Reference : 1) Nakamura, M., Sato, K., Fukaya, M., Araishi, K., Aiba, A., Kano, M., Watanabe, M. (2004) Signaling complex formation of phospholipase C β 4 with mGluR1 α and IP3R1 at the perisynapse and endoplasmic reticulum in the mouse brain. **Eur. J. Neurosci** 20:2929-2944.
2) Nomura S, Fukaya M, Tsujioka T, Wu D, Watanabe M (2007) Phospholipase C β 3 is distributed in both somatodendritic and axonal compartments and localized around perisynapse and smooth endoplasmic reticulum in mouse Purkinje cell subsets. **Eur. J. Neurosci.** 25:659-672

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