

Anti-ITPR3(Inositol 1,4,5-trisphosphate receptor type 3) Polyclonal Antibody

Cat. #: 60B511

Description:

ITPR3(Inositol 1,4,5-trisphosphate receptor type 3) is the receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. The receptor contains a calcium channel in its C-terminal extremity. Its large N-terminal cytoplasmic region has the ligand-binding site in the N-terminus and modulatory sites in the middle portion immediately upstream of the channel region. IP3R2 and IP3R3 are the key molecules in exocrine physiology underlying energy metabolism and animal growth.

concomitant loss of ITPR3 expression and consequent defects in Ca(2+) signaling, may substantially contribute to the mechanism of the loss of genomic discrimination, in vivo, between the fed and fasted states

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human ITPR3(Inositol 1,4,5-trisphosphate receptor type 3)

References

Blondel,O., et al, J. Biol. Chem. 268 (15), 11356-11363 (1993)
Futatsugi,A., et al, Science 309 (5744), 2232-2234 (2005)
Cardenas,C., et al, J. Cell. Sci. 118 (PT 14), 3131-3140 (2005)
Kim,S., et al, J. Biol. Chem. 280 (28), 26024-26031 (2005)
Iwai,M., et al, J. Biol. Chem. 280 (11), 10305-10317 (2005)
Turvey,M.R., et al, J. Cell. Sci. 118 (PT 5), 971-980 (2005)
Srivastava,M., et al, Mol. Med. 8 (12), 781-797 (2002)
Pin,C.L., et al, J. Cell Biol. 155 (4), 519-530 (2001)

Species: Rat, mouse, human

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)