

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human MAGI2 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant ARIP-2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human MAGI2 Ser2-Arg130 Accession # Q86UL8
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
	*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

MAGI2 (AIP-1, ACVRINP1 also known as Activin receptor-interacting protein 1 and S-SCAM in rodents); is a 160-180 kDa member of the MAGUK family of proteins. It is found in neuronal post-synaptic membrane complexes, and serves as a molecular scaffold for multiple proteins, including α -actinin, dendrin, SMAD3 and β -catenin. ARIP-1 facilitates the signaling of both growth factor and neurotransmitter receptors such as ActRIIA, NMDA and β_1 -adrenergic receptors. Human ARIP-1 is 1455 amino acids (aa) in length. It contains an N-terminal PZD domain (aa 17-101), followed by a guanylate kinase-like domain (aa 109-283), two WW domains (aa 302-381) and five subsequent PZD domains (aa 426-1229). ARIP-1 is reported to dimerize/oligomerize. There are three potential isoform variants. All utilize an alternative start site at Met164 that may be accompanied by either an Arg substitution for aa 757-771, or a 48 aa substitution for aa 1236-1455. Over aa 2-130, human and mouse ARIP-1 are identical in aa sequence.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.