Intersectin 1 (ITSN1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Intersectin 1 (ITSN1), Polyclonal Antibody
Full Product Name	APC-Linked Polyclonal Antibody to Intersectin 1 (ITSN1)
Product Gene Name	anti-ITSN1 antibody
Product Synonym Names	ITSN; SH3D1A; SH3P17; SH3 Domain Protein; Src Homology 3 Domain-Containing Protein; Intersectin 1 Short Form Variant 3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Rat
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: ITSN1 (MBS2032783) APC Conjugated Antibody: ITSN1 (MBS2066550)
Matching Pairs	APC Conjugated Antibody: ITSN1 (MBS2066550) Immunogen: ITSN1 (MBS2033048)
Molecular Weight	136,607 Da
3D Structure	ModBase 3D Structure for Q9Z0R4
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	ITSN1 (Met1~Gln227)
Conjugation	APC
Cross Reactivity	Mouse, Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2032783
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-ITSN1 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-ITSN1 antibody	MBS2066550 is an antibody targeting ITSN1. Also known as APC-Linked Polyclonal Antibody to Intersectin 1 (ITSN1). Reactive in Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-ITSN1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ITSN1. It may not necessarily be applicable to this product.

NCBI GI #	134288904
NCBI GeneID	16443
NCBI Accession #	NP_034717.2

UniProt Primary Accession #	Q9Z0R4
UniProt Secondary Accession #	Q9R143; F8VQE5
UniProt Related Accession #	Q9Z0R4
GenBank Nucleotide #	NM_010587.2
NCBI Official Full Name	intersectin-1 isoform 1
NCBI Official Synonym Full Names	intersectin 1 (SH3 domain protein 1A)
NCBI Official Symbol	Itsn1
NCBI Official Synonym Symbols	Ese1; Itsn; Ehsh1; Sh3p17; AA517634; AA545208; AI316805; AI839402; AI848451
UniProt Protein Name	Intersectin-1
UniProt Synonym Protein Names	EH and SH3 domains protein 1
Protein Family	Intersectin
UniProt Gene Name	Itsn1
UniProt Synonym Gene Names	Ese1; Itsn
NCBI Protein Information	intersectin-1
UniProt Comments for ITSN1	ITSN1: Adapter protein that may provide indirect link between the endocytic membrane traffic and the actin assembly machinery. May regulate the formation of clathrin-coated vesicles. Involved in endocytosis of integrin beta-1 (ITGB1) and transferrin receptor (TFR); internalization of ITGB1 as DAB2-dependent cargo but not TFR may involve association with DAB2. Isoform 1 could be involved in brain-specific synaptic vesicle recycling. Inhibits ARHGAP31 activity toward RAC1. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold; Calcium-binding; GEFs; GEFs, Rac/Rho Chromosomal Location of Human Ortholog: 16|16 C4 Cellular Component: coated pit; endocytic vesicle; lamellipodium; plasma membrane; terminal button Molecular Function: kinase activator activity; protein binding; protein complex scaffold Biological Process: negative regulation of neuron apoptosis; positive regulation of protein kinase B signaling cascade; small GTPase mediated signal transduction
Research Articles on ITSN1	**1.** PRRT2 interacts with the Src homology 3 domain-bearing protein Intersectin 1, an intracellular protein involved in synaptic vesicle cycling.
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