ARG63742
anti-ASPN / Asporin antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ASPN / Asporin
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ASPN / Asporin
Species	Human
Immunogen	C-IHENKVKKIQKDT
Conjugation	Un-conjugated
Alternate Names	Periodontal ligament-associated protein 1; OS3; SLRR1C; Asporin; PLAP-1; PLAP1

Application Instructions

Application table

Application	Dilution
ICC/IF	10 µg/ml
WB	0.1 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

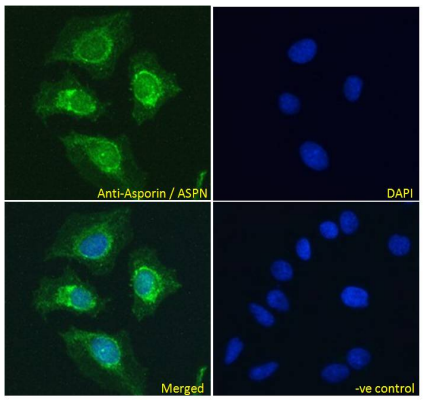
Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

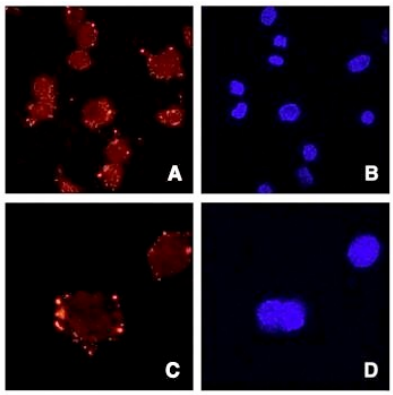
Database links	GeneID: 54829 Human GeneID: 66695 Mouse Swiss-port # Q99MQ4 Mouse Swiss-port # Q9BXN1 Human
Background	This gene encodes a cartilage extracellular protein that is member of the small leucine-rich proteoglycan family. The encoded protein may regulate chondrogenesis by inhibiting transforming growth factor-beta 1-induced gene expression in cartilage. This protein also binds collagen and calcium and may induce collagen mineralization. Polymorphisms in the aspartic acid repeat region of this gene are associated with a susceptibility to osteoarthritis. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jul 2010]
Research Area	Signaling Transduction antibody
Calculated Mw	43 kDa
PTM	There is no serine/glycine dipeptide sequence expected for the attachment of O-linked glycosaminoglycans and this is probably not a proteoglycan. The O-linked polysaccharide on 54-Ser is probably the mucin type linked to GalNAc. The N-linked glycan at Asn-282 is composed of variable structures of GlcNAc, mannose, fucose, HexNAc and hexose.

Images



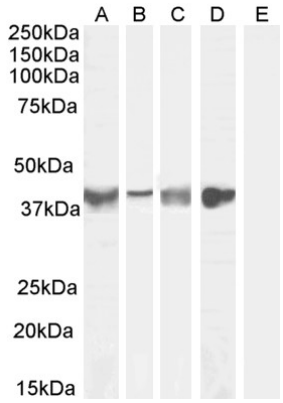
ARG63742 anti-ASPN / Asporin antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63742 anti-ASPN / Asporin antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



ARG63742 anti-ASPN / Asporin antibody ICC/IF image

Immunofluorescence: ATDC5 cells (Panels A and C) and DAPI (panels B and D) stained with ARG63742 anti-ASPN / Asporin antibody. Data gratefuly received from Dr. Shiro Ikegawa, SNP Research Center, RIKEN, Japan.



ARG63742 anti-ASPN / Asporin antibody WB image

Western blot: 35 µg of Human tonsil (A), Human uterus (B), Mouse skeletal muscle (C), Rat skeletal muscle (D) and Human cerebellum (E, negative control) lysates (in RIPA buffer) stained with ARG63742 anti-ASPN / Asporin antibody at 0.1 µg/ml (A), 0.3 µg/ml (B, C) and 1 µg/ml (D, E) dilutions and incubated at RT for 1 hour.