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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB06670 - Goat Anti-Asporin / ASPN Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: asporin proteoglycan, OS3, asporin, periodontal ligament associated protein 1, small leucine-rich protein 1C, asporin (LRR class 1), FLJ20129, SLRR1C, PLAP1, ASPN

Official Symbol: ASPN

Accession Number(s): NP_060150.3

Human GeneID(s): [54829](#)

Immunogen

Peptide with sequence C-IHENKVKKIQKDT, from the internal region of the protein sequence according to NP_060150.3.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000.

Western blot: Approx 40kDa band observed in Human Bone Marrow lysates (calculated MW of 43.4kDa according to NP_060150.3). Recommended concentration: 1-3µg/ml.

Immunofluorescence: in cell line ATDC5 shows signals in cytoplasm and on the cell surface. Data gratefully received from Dr. Shiro Ikegawa, SNP Research Center, RIKEN, Japan.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat

Background Reference

Kizawa H, Kou I, Iida A, Sudo A, Miyamoto Y, Fukuda A, Mabuchi A, Kotani A, Kawakami A, Yamamoto S, Uchida A, Nakamura K, Notoya K, Nakamura Y, Ikegawa S.

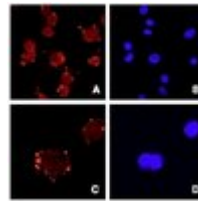
An aspartic acid repeat polymorphism in asporin inhibits chondrogenesis and increases susceptibility to osteoarthritis.

Nat Genet. 2005 Feb;37(2):138-144. Epub 2005 Jan 09.

PMID: 15640800



EB06670 (0.3 μ g/ml) staining of Human Bone Marrow lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB06670 staining of ATDC5 cells (Panels A and C) and DAPI (panels B and D). Data gratefully received from Dr. Shiro Ikegawa, SNP Research Center, RIKEN, Japan.