

Goat anti-Asporin / ASPN Antibody

Item Number	dAP-0619
Target Molecule	Principle Name: Asporin / ASPN; Official Symbol: ASPN; All Names and Symbols: ASPN; PLAP1; SLRR1C; FLJ20129; asporin (LRR class 1); small leucine-rich protein 1C; periodontal ligament associated protein 1; asporin; OS3; asporin proteoglycan; Accession Number (s): NP_060150.4; Human Gene ID(s): 54829; Non-Human GeneID(s):
Immunogen	IHENKVKKIQKDT, is from internal region
Applications	Pep ELISA, WB, IF Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Approx 40kDa band observed in Human Tonsil and Uterus and in Mouse and Rat Skeletal Muscle lysates (calculated MW of 43.3kDa according to Human NP_060150.4, and 42.6kDa according to Mouse NP_001165952.1 and Rat NP_001014030.1). Recommend
IHC	
Reference	Reference(s): 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

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**