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## anti-Asporin antibody (AA 33-380) (HRP)



#### Overview

Quantity:	100 μg
Target:	Asporin (ASPN)
Binding Specificity:	AA 33-380
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Asporin antibody is conjugated to HRP
Application:	ELISA

#### **Product Details**

Immunogen:	Recombinant Human Asporin protein (33-380AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	Asporin (ASPN)
Alternative Name:	ASPN (ASPN Products)
Background:	Background: Negatively regulates periodontal ligament (PDL) differentiation and mineralization
	to ensure that the PDL is not ossified and to maintain homeostasis of the tooth-supporting

system. Inhibits BMP2-induced cytodifferentiation of PDL cells by preventing its binding to BMPR1B/BMP type-1B receptor, resulting in inhibition of BMP-dependent activation of SMAD proteins (By similarity). Critical regulator of TGF-beta in articular cartilage and plays an essential role in cartilage homeostasis and osteoarthritis (OA) pathogenesis. Negatively regulates chondrogenesis in the articular cartilage by blocking the TGF-beta/receptor interaction on the cell surface and inhibiting the canonical TGF-beta/Smad signal. Binds calcium and plays a role in osteoblast-driven collagen biomineralization activity.

Aliases: ASPN antibody, ASPN protein antibody, ASPN\_HUMAN antibody, Asporin (LRR class 1) antibody, Asporin antibody, Asporin proteoglycan antibody, FLJ20129 antibody, LRR class 1 antibody, Periodontal ligament associated protein 1 antibody, Periodontal ligament-associated protein 1 antibody, PLAP 1 antibody, PLAP-1 antibody, PLAP1 antibody, SLRR 1C antibody

UniProt:

Q9BXN1

#### Application Details

Storage Comment:

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.