

Rabbit anti-Human, Mouse ASPN Polyclonal Antibody | anti-ASPN antibody

ASPN Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231650	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

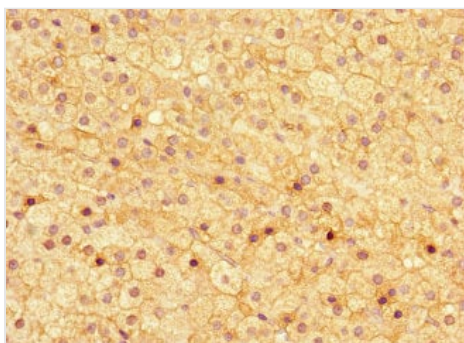
PRODUCT SYNONYMS

ASPN; Polyclonal Antibody; ASPN Antibody; Asporin; Periodontal ligament-associated protein 1; PLAP-1; PLAP1; SLRR1C; UNQ215/PRO241; anti-ASPN antibody

PRODUCT SPECIFICATIONS

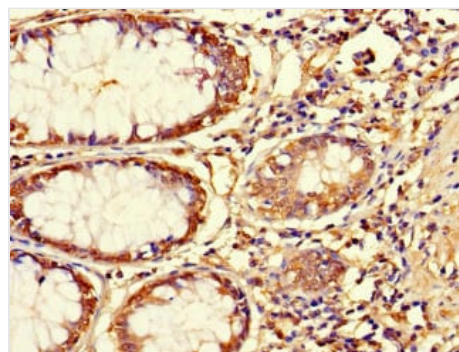
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	242
Applicable Applications for anti-ASPN antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Asporin protein (33-380AA)
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-70118 / sc-70119
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



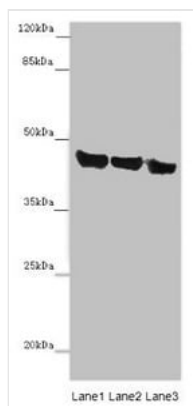
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human adrenal gland tissue using AAA231650 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA231650 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: ASPN antibody at 14 ug/mlLane 1: Mouse heart tissueLane 2: Mouse liver tissueLane 3: HL60 whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 43 kDaObserved band size: 43 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ASPN antibody

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 BMPRII/BMP type-II 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	301069324
NCBI GeneID	54829
NCBI Accession #	NP_001180264.1
NCBI GenBank Nucleotide #	NM_001193335.1
UniProt Accession #	Q9BXN1; Q5TBF3; Q96K79; Q96LD0; Q9NXP3
Molecular Weight	43,417 Da
NCBI Official Full Name	asporin isoform 2 preproprotein
NCBI Official Synonym Full Names	asporin
NCBI Official Symbol	ASPN
NCBI Official Synonym Symbols	OS3; PLAP1; PLAP-1; SLRR1C
NCBI Protein Information	asporin
UniProt Protein Name	Asporin
UniProt Gene Name	ASPN
UniProt Synonym Gene Names	PLAP1; SLRR1C; PLAP-1
UniProt Entry Name	ASPN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.