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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06670 - Goat Anti-Asporin / ASPN Antibody

Size: 100µg specific antibody in 200µl



Target Protein

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

Official Symbol: ASPN

Accession Number(s): NP_060150.4

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

Immunogen

Peptide with sequence C-IHENKVKKIQKDT, from the internal region of the protein sequence according to NP_060150.4.

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 1:64000.

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). Recommended concentration: 0.1-1µg/ml. Primary incubation 1 hour at room temperature. **Negative Control:** Human Cerebellum lysate.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa cells. Recommended concentration: 10µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat

EB06670 (0.1µg/ml) staining of Human Tonsil (A), (0.3ug/ml) Human Uterus (B), Mouse Skeletal Muscle (C) (1ug/ml) Rat Skeletal Muscle (D) and negative control Human Cerebellum (E) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06670 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).