

AP20171PU-N**Polyclonal Antibody to Spondin 2 / SPON2 - Aff - Purified****Alternate names:**

DIL-1, DIL1, Differentially expressed in cancerous and non-cancerous lung cells 1, M-spondin, Mindin, Spondin-2

Quantity:

0.1 mg

Concentration:

0.5 mg/ml

Background:

Spondin-2 (SPON2) is a cell adhesion protein which promotes adhesion and outgrowth of hippocampal embryonic neurons. It binds directly to bacteria and their components and functions as an opsonin for macrophage phagocytosis of bacteria. SPON2 is essential in the initiation of the innate immune response and represents a unique pattern-recognition molecule in the ECM for microbial pathogens.

Uniprot ID:

[Q9BUD6](#)

NCBI:

[NP_036577.1](#)

GeneID:

[10417](#)

Host:

Goat

Immunogen:

Peptide with sequence from the internal region of the protein sequence according to NP_036577.1.

Genename: SPON2

AA Sequence:

C-RKNQYVSNGLRDFA

Remarks: Reported variants NP_036577.1 and NP_001121797.1 represent identical protein.

Format:

State: Liquid purified IgG fraction.

Purification: Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide.

Buffer System: Tris saline, pH 7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer

Applications:

Peptide ELISA: Detection Limit: 1/16000.

Western blot: 0.5-1.5 µg/ml. Detects a band of ~35kDa in Human Prostate lysates. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Recognizes Spondin-2/Mindin.

Species Reactivity:

Tested: Human.

Expected from sequence similarity: Mouse, Rat, Bovine.

Add. Information:

Calculated Molecular Weight: 35.8kDa according to NP_036577.1

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Manda R, Kohno T, Matsuno Y, Takenoshita S, Kuwano H, Yokota J, Identification of genes (SPON2 and C20orf2) differentially expressed between cancerous and noncancerous lung cells by mRNA differential display. Genomics 1999 Oct 61 (1): 5-14. PMID: 10512675

Pictures:

Western blot analysis: AP20171PU-N Spondin-2 antibody staining of Human Prostate lysate at 1 µg/ml (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

